CLAIMS

1. An adjusted image data generating device comprising:

a storage that stores reference data representing colors of a color chart therein; and

an adjusting section configured to generate first adjusted image data by adjusting an RGB signal indicating an object image for image data representing an image containing both a color chart image and the object image so that color data representing colors of the color chart image matches the reference data, the color chart image being an image of the color chart, the object image being an image of an object, wherein

generating the first adjusted image data includes adjusting the RGB signal in only a portion of the image containing both the color chart image and the object image that is in an adjustment target range, the adjustment target range including the object image and being smaller than an entirety of the image,

the storage stores therein a color conversion table used to correct a color difference between the adjusted image data generating device and a display device, and

the adjusted image data generating device generates second adjusted image data by converting a color signal of the first adjusted image data based on the color conversion table.

2. The adjusted image data generating device according to claim 1, wherein

the adjusting section deletes a part of the color chart image from the first adjusted image data.

3. The adjusted image data generating device according to claim 1 or 2, wherein

the adjusting section acquires a difference between the color reference data and the color data.

4. The adjusted image data generating device according to any one of claims 1 to 3, wherein

the adjusting section generates a color reference adjustment table based on the color reference data and the color data, and

the adjusting section generates third adjusted image data by adjusting an additional object image for image data representing the additional object image based on the color reference adjustment table, the additional object image being an image of an additional object.

5. A color difference adjusted image display system comprising:

the adjusted image data generating device according to claim 1; and

the display device, wherein

the display device displays the object image based on the second adjusted image data.

6. A color difference adjusted image data generation method comprising:

storing reference data representing colors of a color chart;

generating first adjusted image data in an adjusted image data generating device by adjusting an RGB signal indicating an object image for image data representing an image containing both a color chart image and the object image so that color data

representing colors of the color chart image matches the reference data, the color chart image being an image of the color chart, the object image being an image of an object;

generating a color conversion table used to correct a color difference between the adjusted image data generating device and a display device; and

generating second adjusted image data by converting a color signal of the first adjusted image data based on the color conversion table, wherein

generating the first adjusted image data includes adjusting the RGB signal in only a portion of the image containing both the color chart image and the object image that is in an adjustment target range, the adjustment target range including the object image and being smaller than an entirety of the image.

7. The color difference adjusted image data generation method according to claim 6, further comprising

deleting a part of the color chart image from the first adjusted image data.

8. The color difference adjusted image data generation method according to claim 6 or 7, wherein

in the generating adjusted image data, a difference between the color reference data and the color data is acquired.

9. The color difference adjusted image data generation method according to any one of claims 6 to 8, wherein

in the generating first adjusted image data, a color reference adjustment table is generated based on the color reference data and the color data, and

the adjusted image data generation method further comprises generating third adjusted image data by adjusting an additional object image for image data representing the additional object image based on the color reference adjustment table, the additional object image being an image of an additional object.

10. An adjusted image data generation program that causes a computer to execute:

receiving image data representing an image containing both a color chart image and an object image, the color chart image being an image of a color chart, the object image being an image of an object; and

generating first adjusted image data by adjusting an RGB signal indicating the object image for the image data so that color data representing colors of the color chart image matches reference data representing colors of the color chart;

generating a color conversion table used for converting a color signal between an adjusted image data generating device and a display device; and

generating color difference adjusted image data based on the adjusted image data and the color conversion table, wherein

generating the first adjusted image data includes adjusting the RGB signal in only a portion of the image containing both the color chart image and the object image that is in an adjustment target range, the adjustment target range including the object image and being smaller than an entirety of the image.

11. A color difference adjusted image display method comprising:

generating, according to the color difference adjusted image data generation method according to any one of claims 6 to 9, the color difference adjusted image data; and

transmitting the color difference adjusted image data to the display device.

12. An adjusted image data generating device comprising:

a storage that stores therein a color reference adjustment table indicating a relationship between reference data representing colors of a color chart and color data representing colors of a color chart image that is an image of the color chart; and

an adjusting section configured to generate first adjusted image data by adjusting an RGB signal indicating an object image for image data representing an image containing both the color chart image and the object image according to the color reference adjustment table, the object image being an image of an object, wherein

generating the first adjusted image data includes adjusting the RGB signal in only a portion of the image containing both the color chart image and the object image that is in an adjustment target range, the adjustment target range including the object image and being smaller than an entirety of the image,

the storage stores therein a color conversion table used to correct a color difference between the adjusted image data generating device and a display device, and

the adjusted image data generating device generates second adjusted image data by converting a color signal of the first adjusted image data based on the color conversion table.

13. A color difference adjusted image data generation method comprising:

acquiring a color reference adjustment table indicating a relationship between reference data representing colors of a color chart and color data representing colors of a color chart image that is an image of the color chart;

generating first adjusted image data by adjusting an RGB signal indicating an object image for image data representing an image containing both the color chart image and the object image according to the color reference adjustment table, the object image being an image of an object;

generating a color conversion table used for converting a color signal between an adjusted image data generating device and a display device; and

generating color difference adjusted image data based on the adjusted image data and the color conversion table, wherein

generating the first adjusted image data includes adjusting the RGB signal in only a portion of the image containing both the color chart image and the object image that is in an adjustment target range, the adjustment target range including the object image and being smaller than an entirety of the image.