CLAIMS

1. An adjusted image data generating device comprising:

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

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

the storage stores therein a color conversion table used for color signal conversion between the adjusted image data generating device and a display device, and

the adjusted image data generating device generates color difference adjusted image data based on the adjusted image data and 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 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 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

a display device, wherein

the display device displays the object image based on the color difference adjusted image data.

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

storing color reference data of a color chart;

generating adjusted image data by adjusting an RGB signal indicating an object image for image data representing a color chart image and the object image so that color data of the color chart image matches the color 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 for color signal conversion between the 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.

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 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 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 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 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;

generating adjusted image data by adjusting an RGB signal indicating the object

image for the image data so that color data of the color chart image matches color reference data of the color chart image;

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.

11. A color difference adjusted image display method comprising:

generating adjusted image data in an adjusted image data generating device according to the color difference adjusted image data generation method according to any one of claims 6 to 9;

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

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

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

12. The color difference adjusted image display method according to claim 11, wherein

in the generating color difference adjusted image data, the color difference adjusted image data includes the adjusted image data and the color conversion table.

13. An adjusted image data generating device comprising:

a storage that stores therein a color reference adjustment table indicating a

relationship between color reference data of a color chart and color data of image data representing a color chart image that is an image of the color chart; and

an adjusting section configured to generate adjusted image data based on image data representing an image of an object, the adjusted image data being image data in which an RGB signal indicating the image of the object has been adjusted according to the color reference adjustment table, wherein

the storage stores therein a color conversion table used for color signal conversion between the adjusted image data generating device and a display device, and

the adjusted image data generating device generates color difference adjusted image data based on the adjusted image data and the color conversion table.

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

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

generating adjusted image data based on image data representing an image of an object, the adjusted image data being image data in which an RGB signal indicating the image of the object has been adjusted according to the color reference adjustment table;

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.