Claims

[Claim 1] A polarizing plate with a retardation layer, comprising in this order:

a polarizing plate including a protective layer and a polarizer;

a retardation layer; and

a pressure-sensitive adhesive layer,

wherein the protective layer has a light transmittance at a wavelength of 380 nm of 10% or less,

wherein the polarizing plate has a light transmittance at a wavelength of 380 nm of 5% or less,

wherein the retardation layer functions as a λ/4 plate and shows a reverse wavelength dispersion characteristic,

wherein the pressure-sensitive adhesive layer has a light transmittance at a wavelength of 405 nm of 5% or less, and

wherein the polarizing plate with a retardation layer has a light transmittance at a wavelength of 405 nm of 3% or less.

[Claim 2] The polarizing plate with a retardation layer according to claim 1, wherein the retardation layer comprises a polycarbonate-based resin film.

[Claim 3] The polarizing plate with a retardation layer according to claim 2, further comprising another retardation layer between the retardation layer and the pressure-sensitive adhesive layer.

[Claim 4] The polarizing plate with a retardation layer according to claim 1, wherein the retardation layer comprises an alignment fixed layer of a liquid crystal compound.

[Claim 5] The polarizing plate with a retardation layer according to claim 4, wherein the retardation layer has a laminated structure of a first alignment fixed layer of a liquid crystal compound and a second alignment fixed layer of a liquid crystal compound.

[Claim 6] The polarizing plate with a retardation layer according to any one of claims 1 to 5, wherein the polarizer has a thickness of 10 μm or less.

[Claim 7] The polarizing plate with a retardation layer according to any one of claims 1 to 6, wherein the protective layer has a thickness of 30 μm or less.

[Claim 8] The polarizing plate with a retardation layer according to claim 7, wherein the protective layer has a moisture permeability of 20 $g/m^2 \cdot 24$ h or less.

[Claim 9] The polarizing plate with a retardation layer according to any one of claims 1 to 8, wherein the polarizing plate and the retardation layer are directly laminated.

[Claim 10] The polarizing plate with a retardation layer according to any one of claims 1 to 9, wherein the polarizing plate has a reflection hue value b* of -1.5 or less.

[Claim 11] The polarizing plate with a retardation layer according to any one of claims 1 to 10, wherein the polarizer has a crossed hue value "b" of -1.5 or less.

[Claim 12] The polarizing plate with a retardation layer according to any one of claims 1 to 11, further comprising a conductive layer or an isotropic substrate with a conductive layer between the retardation layer and the pressure-sensitive adhesive layer.

[Claim 13] An image display apparatus, comprising the polarizing plate with a retardation layer of any one of claims 1 to 12.