lutetium.

[7] The sintered body described in any one of [1] to [6] above, wherein the sintered body has a color tone ($L^*a^*b^*$) satisfying formulae (1) and (2) below in $L^*a^*b^*$ color space:

Formula (1) …

$0.34 \times L^* - 32.5 < a^* < 0.34 \times L^* - 20$

Formula (2) …

$-1.3 \times L^* + 70 < b^* < -1.3 \times L^* + 115$.

[0010]

[8] The sintered body described in any one of [1] to [7] above, wherein the sintered body has a chroma C^* of 12.0 or less.

[9] The sintered body described in any one of [1] to [8] above, wherein the sintered body has a Vickers hardness Hv10 of 600 or more and 1200 or less.

[10] The sintered body described in any one of [1] to [9] above, wherein the sintered body has a total luminous transmittance at a thickness of 1 mm of 20% or more and 70% or less.

[11] A powder of zirconia, the powder comprising a color reducing agent source and a cerium compound as a stabilizing element source, wherein the powder has a cerium content of 0.05 mol% or more and 15 mol% or less and a color reducing agent content of 0.01 mass% or more and less than 1.95 mass%.

[12] The powder described in [11] above, wherein the stabilizing element source includes the cerium compound and a compound of either or both of yttrium and magnesium.

[13] The powder described in [11] or [12] above, wherein the color reducing agent source is a compound containing at least one selected from the group consisting of lanthanum, neodymium, samarium, europium, dysprosium, holmium, thulium, ytterbium and lutetium.

SUMMARY

[0010a]

In an aspect of the present disclosure, there is provided a sintered body of zirconia, the sintered body comprising a color reducing agent and cerium as a stabilizing element, wherein the sintered body has a cerium content of 0.05 mol% or more and 15 mol% or less and a color reducing agent content of 0.01 mass% or more and less than 1.95 mass%.

[0010b]

In another aspect of the present disclosure, there is provided a powder of zirconia, the powder comprising a color reducing agent source and a cerium compound as a stabilizing element source, wherein the powder has a cerium content of 0.05 mol% or more and 15 mol% or less and a color reducing agent content of 0.01 mass% or more and less than 1.95 mass%.

DESCRIPTION OF EMBODIMENTS

[0011]

A sintered body of the present disclosure will now be described through some