

Converting Colors

XYZ(64.8159, 70.4506, 59.5258)

Have a look what the booklet for
XYZ(64.8159, 70.4506, 59.5258)
contains.

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Color

**XYZ(64.8160, 70.3201,
59.4472)**

Conversions

Conversions Part 1

Format	Color
Hex	DDDCBF
RGB	221, 220, 191
RGB Percent	87%, 86%, 75%
CMY	0.1333, 0.1372, 0.2510
CMYK	0.00, 0.00, 0.14, 0.13
HSL	58°, 31%, 81%
HSV	58°, 14%, 87%
XYZ	64.8160, 70.3201, 59.4472
YIQ	216.9930, 9.9050, -8.8070

Conversions

Conversions Part 2

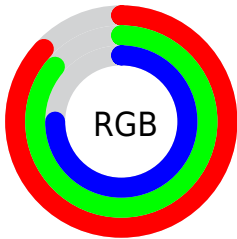
Format	Color
RYB	192, 221, 191
Decimal	14539967
CIELab	87.15, -4.53, 14.39
CIELCh	87, 15.083, 107.469
Yxy	70.3201, 0.3331, 0.3614
Android (android.graphics.Color)	4292730047 (0xFFDDDCBF)
YUV	216.9930, -12.8145, 3.5141
Hunter-Lab	83.8571, -8.7811, 16.6686

Details

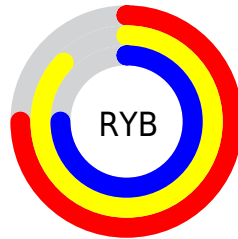
The XYZ color **64.8160, 70.3201, 59.4472** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.3867, 53.9953, 76.0157**, and the grayscale version is **66.0304, 69.4691, 75.6519**.

A 20% lighter version of the original color is **93.7885, 99.4954, 102.2570**, and **33.7685, 36.8522, 29.3782** is the 20% darker color. If you saturate the color by 10%, you get **62.3738, 69.0382, 47.5260**, and if you desaturate by 10%, it is **67.6299, 71.7567, 73.3046**.

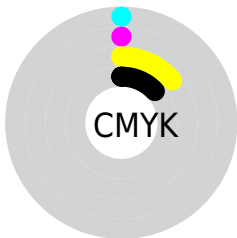
Distribution



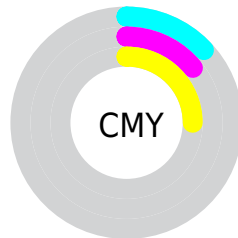
- Red (87%)
- Green (86%)
- Blue (75%)



- Red (75%)
- Yellow (87%)
- Blue (75%)



- Cyan (0%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)



- Cyan (13%)
- Magenta (14%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8160, 70.3201, 59.4472 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 64.8160, 70.3201, 59.4472 by changing the saturation by 10% instead.

■ 64.8160, 70.3201,
59.4472

■ 64.8160, 70.3201,
59.4472

431.6861,
461.6731, 440.3051

■ 47.5760, 51.7875,
42.5508

■ 110.8525,
119.6651, 105.5628

■ 33.7011, 36.8358,
29.2041

140.3797,
151.2464, 135.6192

■ 22.8259, 25.0803,
18.9883

174.7334,
187.9460, 170.8993

■ 14.5850, 16.1369,
11.4851

214.2789,
230.1483, 211.8217

■ 8.6131, 9.6211,
6.2759

259.3815,
278.2378, 258.8050

■ 4.5447, 5.1485,
2.9421

310.4067,

■ 2.0147, 2.3346,

332.5989, 312.2676

1.0651

367.7198,
393.6158, 372.6281

■ 0.6422, 0.7920,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.8160, 70.3201,
59.4472

■ 64.8160, 70.3201,
59.4472

■ 62.3738, 69.0382,
47.5260

■ 67.6299, 71.7567,
73.3046

■ 60.2812, 67.8951,
37.4501

■ 70.8251, 73.3449,
89.1744

■ 58.5225, 66.8870,
29.1282

■ 74.0451, 74.9443,
105.1708

■ 57.0786, 66.0061,
22.4594

■ 74.2406, 75.3353,
105.2360

■ 55.9282, 65.2439,
17.3325

■ 74.4370, 75.7280,
105.3015

■ 55.0477, 64.5911,
13.6227

■ 74.6342, 76.1224,
105.3672

■ 54.4097, 64.0366,
11.1859

■ 74.8322, 76.5185,
105.4332

■ 53.9810, 63.5672,
9.8472

■ 75.0311, 76.9163,
105.4995

■ 53.7812, 63.2965,
9.3829

■ 75.2309, 77.3158,
105.5661

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.3239, 70.3201, 59.0810



64.8160, 70.3201, 59.4472



61.9489, 70.3201, 64.1384

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.8160, 70.3201, 59.4472



62.3436, 70.3201, 91.8379



73.6995, 70.3201, 80.8717

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64.8160, 70.3201, 59.4472



53.3867, 53.9953, 76.0157

Split Complementary

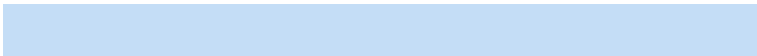
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.9760, 70.3201, 90.5048



64.8160, 70.3201, 59.4472



65.3721, 70.3201, 97.2009

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.8160, 70.3201, 59.4472



60.5565, 70.3201, 82.5645



68.8999, 70.3201, 96.6926



73.5377, 70.3201, 70.8665

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.8160, 70.3201, 59.4472



60.7491, 70.3201, 69.3419



68.8999, 70.3201, 96.6926



73.3189, 70.3201, 84.2766

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64.8179, 70.3232, 59.4487



93.3430, 99.1445, 100.4433



57.9649, 56.4405, 57.7092



19.9126, 21.1874, 21.1694



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.8179, 70.3232, 59.4487



88.7327, 96.7843, 77.7569



60.9934, 68.7407, 59.3448



14.1232, 15.1858, 13.9124



31.2593, 36.8041, 5.4564



2.0370, 2.4081, 0.3574

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



53.3867, 53.9953, 76.0157



70.2818, 70.4299, 104.4978



56.8597, 55.4622, 76.1158



12.3732, 12.6861, 16.4487



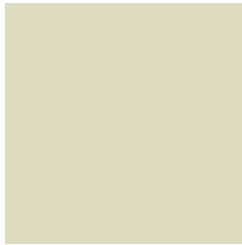
7.6441, 3.1576, 39.9450



0.5077, 0.2295, 2.5920

Previews

White Background



This preview shows how the XYZ color 64.8160, 70.3201, 59.4472 looks on a white background.

Color Contrast Check

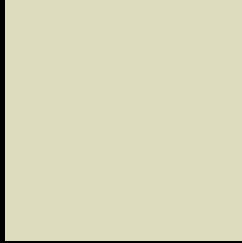
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 64.8160, 70.3201, 59.4472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

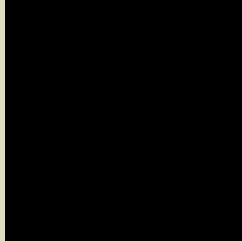
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

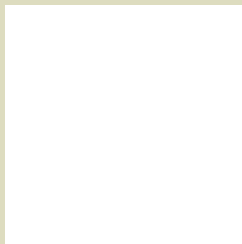
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8160, 70.3201, 59.4472

Background



This preview shows how black text looks on a background with the XYZ color 64.8160, 70.3201, 59.4472.



This preview shows how white text looks on a background with the XYZ color 64.8160, 70.3201, 59.4472.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

64.8160, 70.3201, 59.4472

Protanopia

66.6788, 70.5185, 58.8123

Deuteranopia

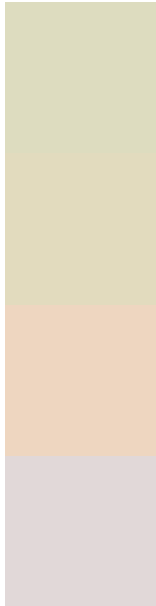
71.3836, 69.8999, 60.1818



Tritanopia

70.1489, 70.1935, 85.4528

Trichromacy



Original Color

64.8160, 70.3201, 59.4472

Protanomaly

65.9898, 70.5495, 58.8546

Deuteranomaly

68.8209, 70.0760, 59.7680

Tritanomaly

68.0019, 70.0772, 74.9079

Monochromacy



Original Color

64.8160, 70.3201, 59.4472

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.3700, 69.6023, 69.6637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8160, 70.3201, 59.4472 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(221, 220, 191)` looks like.

```
.text, #text, p{  
    color:rgb(221, 220, 191)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(221, 220, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 220, 191) }
```

Border

The CSS property to change the border of an element to XYZ 64.8160, 70.3201, 59.4472 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(221, 220, 191) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(221, 220, 191) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(221, 220, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 220, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 220, 191);  
box-shadow:4px 4px 4px 4px rgb(221, 220,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8160, 70.3201, 59.4472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 220, 191) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(221,  
220, 191) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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