

Converting Colors

XYZ(63.1241, 64.2576, 50.0692)

Have a look what the booklet for
XYZ(63.1241, 64.2576, 50.0692)
contains.

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Color

**XYZ(63.1865, 64.4330,
50.1808)**

Conversions

Conversions Part 1

Format	Color
Hex	E8CEB0
RGB	232, 206, 176
RGB Percent	91%, 81%, 69%
CMY	0.0902, 0.1921, 0.3098
CMYK	0.00, 0.11, 0.24, 0.09
HSL	32°, 55%, 80%
HSV	32°, 24%, 91%
XYZ	63.1865, 64.4330, 50.1808
YIQ	210.3540, 25.1260, -3.8180

Conversions

Conversions Part 2

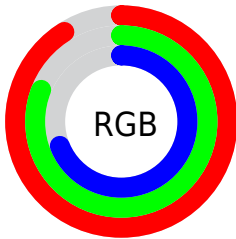
Format	Color
R_{YB}	225, 232, 176
Decimal	15257264
CIE _{Lab}	84.19, 4.52, 18.26
CIE _{LCh}	84, 18.809, 76.082
Yxy	64.4330, 0.3554, 0.3624
Android (android.graphics.Color)	4293447344 (0xFFE8CEB0)
YUV	210.3540, -16.9365, 18.9835
Hunter-Lab	80.2702, 0.0376, 19.1240

Details

The XYZ color **63.1865, 64.4330, 50.1808** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.5901, 57.2959, 84.5790**, and the grayscale version is **61.5889, 64.7963, 70.5632**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **32.7079, 33.1166, 23.4072** is the 20% darker color. If you saturate the color by 10%, you get **58.5803, 58.5854, 38.2717**, and if you desaturate by 10%, it is **68.3661, 70.7987, 64.2179**.

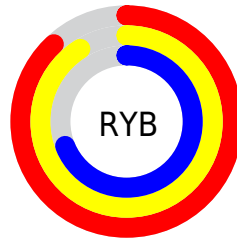
Distribution



Red (91%)

Green (81%)

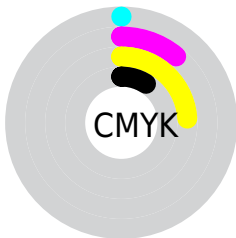
Blue (69%)



Red (88%)

Yellow (91%)

Blue (69%)

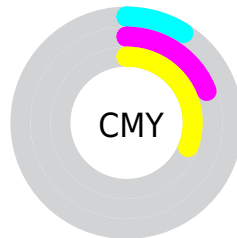


Cyan (0%)

Magenta (11%)

Yellow (24%)

Black (9%)



Cyan (9%)


Magenta (19%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1865, 64.4330, 50.1808 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 63.1865, 64.4330, 50.1808 by changing the saturation by 10% instead.


 63.1865, 64.4330,
50.1808

 63.1865, 64.4330,
50.1808


425.8949,
440.7516, 404.1279

 46.2513, 47.0015,
35.1849


 108.5188,
111.2343, 91.8418

 32.6496, 33.0368,
23.5206


137.6467,
141.3728, 119.3439

 22.0161, 22.1546,
14.7695


171.5695,
176.5158, 151.8518

 13.9854, 13.9706,
8.5130

210.6526,
217.0477, 189.7842

 8.1922, 8.1002,
4.3325

255.2613,
263.3528, 233.5594

 4.2710, 4.1591,
1.8094

305.7610,

 1.8566, 1.7630,

315.8156, 283.5960

0.4342

362.5171,
374.8204, 340.3127

■ 0.5514, 0.4639,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.1865, 64.4330,
50.1808

■ 63.1865, 64.4330,
50.1808

■ 58.5803, 58.5854,
38.2717

■ 68.3661, 70.7987,
64.2179

■ 54.5190, 53.2321,
28.3805

■ 74.1359, 77.6880,
80.4778

■ 50.9790, 48.3601,
20.3930

■ 80.5185, 85.1175,
99.0542

■ 47.9324, 43.9523,
14.1818

■ 85.2304, 92.1790,
107.9079

■ 45.3485, 39.9900,
9.6039

■ 87.0889, 95.8959,
108.5274

■ 43.1920, 36.4528,
6.4936

■ 41.4207, 33.3170,
4.6491

■ 40.5249, 31.6479,
3.9728

Harmonies

Analogous

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



66.9612, 64.4330, 54.9098



63.1865, 64.4330, 50.1808



59.0516, 64.4330, 50.3603

Triad

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



63.1865, 64.4330, 50.1808



53.8702, 64.4330, 76.6984



67.1884, 64.4330, 87.2827

Complementary

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



63.1865, 64.4330, 50.1808



53.5901, 57.2959, 84.5790

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.



63.4852, 64.4330, 94.5604



63.1865, 64.4330, 50.1808



55.8574, 64.4330, 87.9929

Square

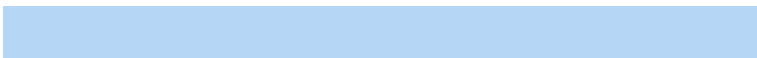
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.1865, 64.4330, 50.1808



53.7984, 64.4330, 64.7877



59.3371, 64.4330, 94.8341



69.3415, 64.4330, 75.8142

Rectangle

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



63.1865, 64.4330, 50.1808



56.6488, 64.4330, 53.2180



59.3371, 64.4330, 94.8341



66.0762, 64.4330, 90.3546

Sweetspot

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



63.1882, 64.4359, 50.1821



89.7214, 93.7299, 93.5986



59.4811, 52.4778, 62.9548



19.1095, 19.9497, 19.7657



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.



63.1882, 64.4359, 50.1821



75.3556, 76.1383, 54.4675



69.3695, 77.6933, 52.4153



15.0133, 15.6405, 15.1321



22.6251, 17.8244, 2.2480



1.7647, 1.5027, 0.1970

Inverse Universe

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



53.5901, 57.2959, 84.5790



61.5145, 65.8433, 104.0746



48.4211, 46.3269, 82.7342



14.1315, 14.9844, 18.2918



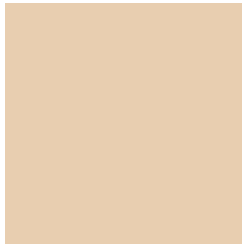
11.1687, 9.3996, 43.6088



0.9175, 0.8789, 3.2533

Previews

White Background



This preview shows how the XYZ color 63.1865, 64.4330, 50.1808 looks on a white background.

Color Contrast Check

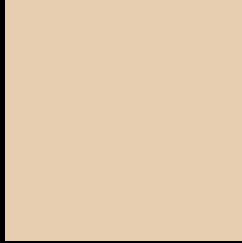
Large Text (above 18pt) WCAG AA × Fail

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 63.1865, 64.4330, 50.1808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

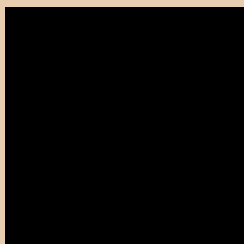
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

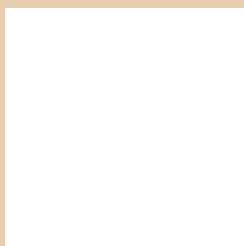
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.1865, 64.4330, 50.1808

Background



This preview shows how black text looks on a background with the XYZ color 63.1865, 64.4330, 50.1808.



This preview shows how white text looks on a background with the XYZ color 63.1865, 64.4330,

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

63.1865, 64.4330, 50.1808

Protanopia

60.9013, 64.6797, 51.3941

Deuteranopia

65.6743, 64.2926, 50.5433



Tritanopia

67.9740, 64.2709, 73.7887

Trichromacy



Original Color

63.1865, 64.4330, 50.1808

Protanomaly

61.7876, 64.7828, 50.8427

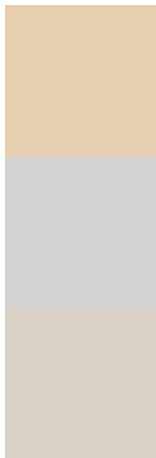
Deuteranomaly

64.5516, 64.0633, 50.5582

Tritanomaly

65.9241, 64.1203, 64.1602

Monochromacy



Original Color

63.1865, 64.4330, 50.1808

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

61.9069, 64.5836, 62.6291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1865, 64.4330, 50.1808 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(232, 206, 176)` looks like.

```
.text, #text, p{  
    color:rgb(232, 206, 176)  
}
```

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(232, 206, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 206, 176) }
```

Border

The CSS property to change the border of an element to XYZ 63.1865, 64.4330, 50.1808 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(232, 206, 176) }
```


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

```
.border{ border-color:rgb(232, 206, 176) }
```

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

Here you see how a box with a 4 pixel rgb(232, 206, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 206, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 206, 176);  
box-shadow:4px 4px 4px 4px rgb(232, 206,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1865, 64.4330, 50.1808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 206, 176) }
```

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

```
.background{ background-color: rgb(232,  
206, 176) }
```

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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