

Converting Colors

XYZ(64.9908, 64.7773, 67.0896)

Have a look what the booklet for
XYZ(64.9908, 64.7773, 67.0896)
contains.

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Color

**XYZ(64.8457, 64.5644,
66.8020)**

Conversions

Conversions Part 1

Format	Color
Hex	E4CDCD
RGB	228, 205, 205
RGB Percent	89%, 80%, 80%
CMY	0.1059, 0.1961, 0.1961
CMYK	0.00, 0.10, 0.10, 0.11
HSL	0°, 30%, 85%
HSV	0°, 10%, 89%
XYZ	64.8457, 64.5644, 66.8020
YIQ	211.8770, 13.7080, 4.8760

Conversions

Conversions Part 2

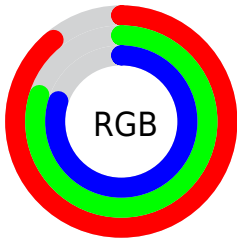
Format	Color
R _Y B	228, 205, 205
Decimal	14994893
CIE Lab	84.26, 8.02, 2.92
CIE LCh	84, 8.531, 19.985
Yxy	64.5644, 0.3305, 0.3291
Android (android.graphics.Color)	4293184973 (0xFFE4CDCD)
YUV	211.8770, -3.3904, 14.1399
Hunter-Lab	80.3520, 3.4372, 6.9546

Details

The XYZ color **64.8457, 64.5644, 66.8020** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.9236, 74.0660, 84.1685**, and the grayscale version is **62.5146, 65.7702, 71.6237**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6658, 33.1382, 33.9001** is the 20% darker color. If you saturate the color by 10%, you get **57.2304, 53.4216, 51.6601**, and if you desaturate by 10%, it is **73.6601, 77.4622, 84.3238**.

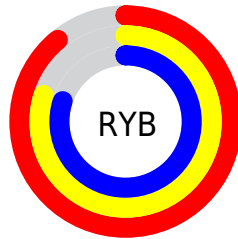
Distribution



Red (89%)

Green (80%)

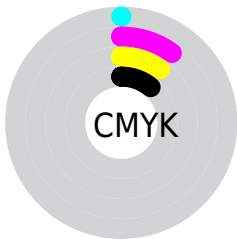
Blue (80%)



Red (89%)

Yellow (80%)

Blue (80%)

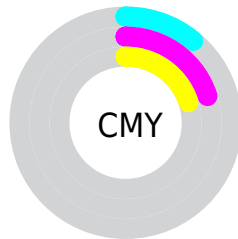


Cyan (0%)

Magenta (10%)

Yellow (10%)

Black (11%)



Cyan (11%)

Magenta (20%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8457, 64.5644, 66.8020 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 64.8457, 64.5644, 66.8020 by changing the saturation by 10% instead.

64.8457, 64.5644,
66.8020

64.8457, 64.5644,
66.8020

431.7913,
441.2250, 467.7220

47.6002, 47.1080,
48.4632

110.8949,
111.4234, 116.2746

33.7203, 33.1210,
33.8312

140.4294,
141.5947, 148.2454

22.8407, 22.2192,
22.4877

174.7909,
176.7731, 185.5973

14.5960, 14.0180,
14.0139

214.3448,
217.3429, 228.7489

8.6208, 8.1332,
7.9915

259.4564,
263.6886, 278.1186

4.5498, 4.1803,
4.0018

310.4911,

2.0176, 1.7749,

316.1946, 334.1249

1.6263

367.8143,
375.2453, 397.1866

■ 0.6438, 0.4715,
0.3095

■ 0.0000, 0.0000,
0.0000

■ 64.8457, 64.5644,
66.8020

■ 64.8457, 64.5644,
66.8020

■ 57.2304, 53.4216,
51.6601

■ 73.6601, 77.4622,
84.3238

■ 50.7575, 43.9500,
38.7917

■ 83.7167, 92.1773,
104.3175

■ 45.3734, 36.0715,
28.0882

■ 85.8053, 95.2342,
108.4674

■ 41.0184, 29.6988,
19.4308

■ 37.6268, 24.7359,
12.6891

■ 35.1258, 21.0760,
7.7177

■ 33.4317, 18.5967,
4.3507

■ 32.4452, 17.1529,
2.3906

■ 31.9957, 16.4950,
1.4975

Harmonies

Analogous

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



65.0154, 64.5644, 72.1253



64.8457, 64.5644, 66.8020



63.7331, 64.5644, 62.6257

Triad

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



64.8457, 64.5644, 66.8020



58.6250, 64.5644, 63.8174



60.7367, 64.5644, 81.0556

Complementary

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



64.8457, 64.5644, 66.8020



66.9236, 74.0660, 84.1685

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.



59.0593, 64.5644, 78.5762



64.8457, 64.5644, 66.8020



57.8568, 64.5644, 68.5051

Square

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



64.8457, 64.5644, 66.8020



60.1328, 64.5644, 60.9648



58.0141, 64.5644, 73.9173



62.6170, 64.5644, 80.5418

Rectangle

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



64.8457, 64.5644, 66.8020



62.6188, 64.5644, 60.9665



58.0141, 64.5644, 73.9173



60.1310, 64.5644, 80.5398

Sweetspot

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



64.8475, 64.5673, 66.8034



91.4509, 94.7337, 101.7446



67.8307, 65.7590, 82.5173



19.3736, 19.9833, 21.3786



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.



64.8475, 64.5673, 66.8034



81.5136, 80.1930, 81.9883



67.6994, 70.2710, 67.7540



14.3773, 14.3684, 14.9201



18.4754, 9.5249, 0.8647



1.3653, 0.7040, 0.0639

Inverse Universe

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



66.9236, 74.0660, 84.1685



84.6729, 94.6479, 108.4139



63.8655, 67.9498, 83.1492



14.8073, 16.3360, 18.5171



24.1000, 35.2621, 47.9192



1.7810, 2.6059, 3.5411

Previews

White Background



This preview shows how the XYZ color 64.8457, 64.5644, 66.8020 looks on a white background.

Color Contrast Check

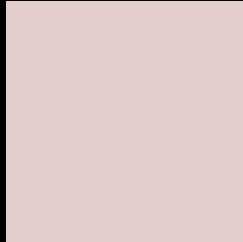
Large Text (above 18pt) WCAG AA × Fail

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 64.8457, 64.5644, 66.8020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

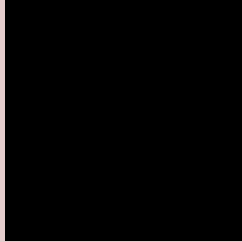
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

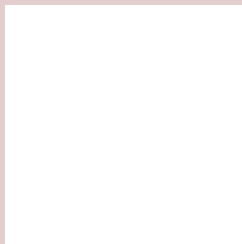
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8457, 64.5644, 66.8020

Background



This preview shows how black text looks on a background with the XYZ color 64.8457, 64.5644, 66.8020.

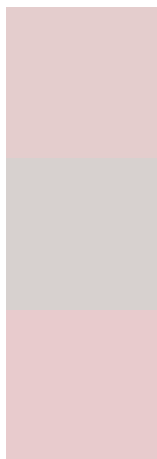


This preview shows how white text looks on a background with the XYZ color 64.8457, 64.5644,

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

64.8457, 64.5644, 66.8020

Protanopia

62.0873, 64.5530, 68.2191

Deuteranopia

65.6541, 64.2755, 66.7037



Tritanopia

66.7752, 64.6493, 75.9770

Trichromacy



Original Color

64.8457, 64.5644, 66.8020

Protanomaly

63.2117, 64.7836, 67.5654

Deuteranomaly

65.5673, 64.5824, 66.7675

Tritanomaly

66.0436, 64.6988, 72.6256

Monochromacy



Original Color

64.8457, 64.5644, 66.8020

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.2225, 65.1098, 69.5569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8457, 64.5644, 66.8020 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(228, 205, 205)` looks like.

```
.text, #text, p{  
    color:rgb(228, 205, 205)  
}
```

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(228, 205, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 205, 205) }
```

Border

The CSS property to change the border of an element to XYZ 64.8457, 64.5644, 66.8020 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(228, 205, 205) }
```


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

```
.border{ border-color:rgb(228, 205, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 205, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 205, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 205, 205);  
box-shadow:4px 4px 4px 4px rgb(228, 205,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8457, 64.5644, 66.8020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 205, 205) }
```

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

```
.background{ background-color: rgb(228,  
205, 205) }
```

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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