

# Converting Colors

XYZ(64.8867, 64.2730, 64.8631)

Have a look what the booklet for  
XYZ(64.8867, 64.2730, 64.8631)  
contains.

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# Color

**XYZ(64.8867, 64.2730,  
64.8631)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6CCCA
RGB	230, 204, 202
RGB Percent	90%, 80%, 79%
CMY	0.0980, 0.2000, 0.2078
CMYK	0.00, 0.11, 0.12, 0.10
HSL	4°, 36%, 85%
HSV	4°, 12%, 90%
XYZ	64.8867, 64.2730, 64.8631
YIQ	211.5460, 16.1380, 4.8900

# Conversions

## Conversions Part 2

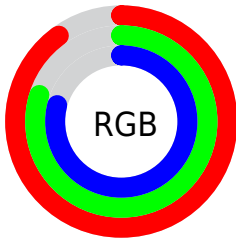
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 204, 202
Decimal	15125706
CIE Lab	84.11, 8.76, 4.32
CIE LCh	84, 9.766, 26.224
Yxy	64.2730, 0.3344, 0.3313
Android (android.graphics.Color)	4293315786 (0xFFE6CCCA)
YUV	211.5460, -4.7062, 16.1842
Hunter-Lab	80.1704, 4.1724, 8.1498

# Details

The XYZ color **64.8867, 64.2730, 64.8631** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **66.3831, 73.7551, 85.6011**, and the grayscale version is **62.3023, 65.5468, 71.3805**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.7072, 32.9495, 32.6003** is the 20% darker color. If you saturate the color by 10%, you get **57.6320, 53.8013, 49.9957**, and if you desaturate by 10%, it is **73.2468, 76.3044, 82.1029**.

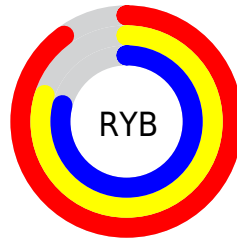
# Distribution



Red (90%)

Green (80%)

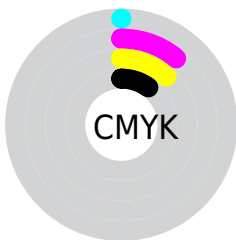
Blue (79%)



Red (90%)

Yellow (80%)

Blue (79%)

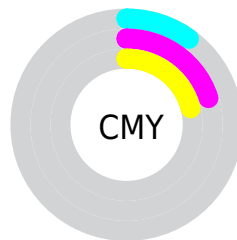


Cyan (0%)

Magenta (11%)

Yellow (12%)

Black (10%)



Cyan (10%)

Magenta (20%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8867, 64.2730, 64.8631 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 64.8867, 64.2730, 64.8631 by changing the saturation by 10% instead.



64.8867, 64.2730,  
64.8631

64.8867, 64.2730,  
64.8631

431.9364,  
440.1748, 460.5926

47.6336, 46.8718,  
46.8994

110.9536,  
111.0040, 113.4644

33.7468, 32.9343,  
32.6024

140.4980,  
141.1026, 144.9391

22.8611, 22.0761,  
21.5534

174.8703,  
176.2025, 181.7546

14.6111, 13.9129,  
13.3340

214.4357,  
216.6881, 224.3294

8.6315, 8.0601,  
7.5255

259.5597,  
262.9437, 273.0821

4.5568, 4.1334,  
3.7095

310.6076,

2.0217, 1.7485,

315.3538, 328.4311

1.4673

367.9447,  
374.3027, 390.7951

■ 0.6461, 0.4547,  
0.1934

■ 0.0000, 0.0000,  
0.0000

■ 64.8867, 64.2730,  
64.8631

■ 64.8867, 64.2730,  
64.8631

■ 57.6320, 53.8013,  
49.9957

■ 73.2468, 76.3044,  
82.1029

■ 51.4313, 44.8175,  
37.3929

■ 82.7501, 89.9468,  
101.8083

■ 46.2371, 37.2564,  
26.9449

■ 86.4435, 95.5632,  
108.4972

■ 41.9961, 31.0453,  
18.5310

■ 38.6504, 26.1044,  
12.0186

■ 36.1353, 22.3460,  
7.2593

■ 34.3776, 19.6711,  
4.0829

■ 33.2914, 17.9643,  
2.2851

■ 32.8257, 17.2076,  
1.5913

# Harmonies

## Analogous

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



65.3228, 64.2730, 70.7676



64.8867, 64.2730, 64.8631



63.4248, 64.2730, 60.5649

# Triad

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



64.8867, 64.2730, 64.8631



57.7061, 64.2730, 63.5835



60.8168, 64.2730, 82.5181

# Complementary

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



64.8867, 64.2730, 64.8631



66.3831, 73.7551, 85.6011

# 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.



58.8124, 64.2730, 80.3287



64.8867, 64.2730, 64.8631



57.0433, 64.2730, 69.2030

# Square

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



64.8867, 64.2730, 64.8631



59.2749, 64.2730, 59.8573



57.4435, 64.2730, 75.3642



62.9409, 64.2730, 81.1894



# Rectangle

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



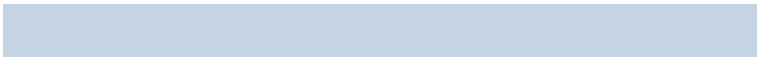
64.8867, 64.2730, 64.8631



62.0826, 64.2730, 59.0669



57.4435, 64.2730, 75.3642



60.1071, 64.2730, 82.1660

# Sweetspot

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



64.8885, 64.2759, 64.8645



90.5039, 93.4664, 99.4970



67.7766, 64.6738, 82.4078



19.1942, 19.7505, 20.9300



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.



64.8885, 64.2759, 64.8645



79.1908, 77.1747, 76.1977



68.3315, 71.1618, 66.0121



14.4594, 14.5328, 14.9475



18.6161, 9.8064, 0.9116



1.4049, 0.7831, 0.0771



# Inverse Universe

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



66.3831, 73.7551, 85.6011



81.4838, 91.7190, 108.0166



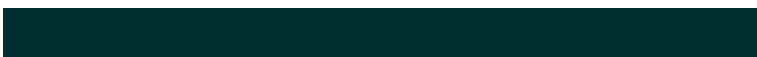
62.7212, 66.4313, 84.3805



14.7145, 16.1505, 18.4861



21.6722, 30.4065, 47.1100

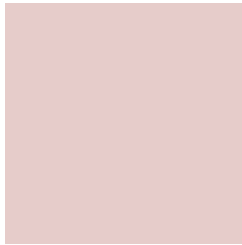


1.6281, 2.3001, 3.4901



# Previews

## White Background



This preview shows how the XYZ color 64.8867, 64.2730, 64.8631 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

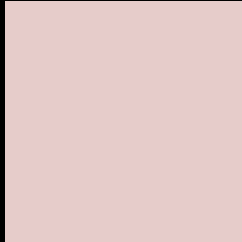
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.8867, 64.2730, 64.8631 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

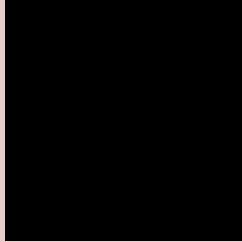
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 64.8867, 64.2730, 64.8631

## Background



This preview shows how black text looks on a background with the XYZ color 64.8867, 64.2730, 64.8631.



This preview shows how white text looks on a background with the XYZ color 64.8867, 64.2730,



# 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

64.8867, 64.2730, 64.8631

### Protanopia

61.8442, 64.4558, 66.9393

### Deuteranopia

65.6209, 64.2998, 64.8296



## Tritanopia

66.9236, 64.4066, 74.5501

# Trichromacy



## Original Color

64.8867, 64.2730, 64.8631

## Protanomaly

62.7271, 64.2009, 66.2127

## Deuteranomaly

65.2953, 64.1319, 64.8144

## Tritanomaly

66.1946, 64.4543, 71.2394

# Monochromacy



## Original Color

64.8867, 64.2730, 64.8631

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

63.3990, 65.2151, 68.9208

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.8867, 64.2730, 64.8631 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(230, 204, 202) looks like.

```
.text, #text, p{  
    color:rgb(230, 204, 202)  
}
```

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(230, 204, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 204, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 64.8867, 64.2730, 64.8631 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(230, 204, 202) }
```



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

```
.border{ border-color:rgb(230, 204, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 204, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 204, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 204, 202);  
box-shadow:4px 4px 4px 4px rgb(230, 204,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.8867, 64.2730, 64.8631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 204, 202) }
```

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

```
.background{ background-color: rgb(230,  
204, 202) }
```

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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