

# Converting Colors

XYZ(64.5445, 60.6807, 64.1878)

Have a look what the booklet for  
XYZ(64.5445, 60.6807, 64.1878)  
contains.

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# Color

**XYZ(64.5445, 60.6807,  
64.1878)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ECC2CA
RGB	236, 194, 202
RGB Percent	93%, 76%, 79%
CMY	0.0745, 0.2392, 0.2078
CMYK	0.00, 0.18, 0.14, 0.07
HSL	349°, 52%, 84%
HSV	349°, 18%, 93%
XYZ	64.5445, 60.6807, 64.1878
YIQ	207.4700, 22.4640, 11.3920

# Conversions

## Conversions Part 2

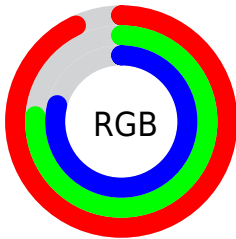
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 194, 202
Decimal	15516362
CIE Lab	82.21, 16.18, 1.62
CIE LCh	82, 16.261, 5.733
Yxy	60.6807, 0.3408, 0.3204
Android (android.graphics.Color)	4293706442 (0xFFECC2CA)
YUV	207.4700, -2.6967, 25.0208
Hunter-Lab	77.8978, 11.5802, 5.6735

# Details

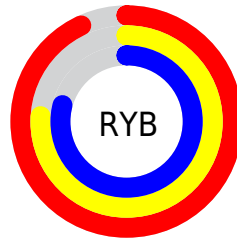
The XYZ color **64.5445, 60.6807, 64.1878** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **66.2496, 77.0631, 84.7854**, and the grayscale version is **59.6194, 62.7243, 68.3067**.

A 20% lighter version of the original color is **93.7872, 97.4744, 108.4791**, and **33.5458, 30.5976, 32.1548** is the 20% darker color. If you saturate the color by 10%, you get **57.5795, 50.1493, 51.3873**, and if you desaturate by 10%, it is **72.6272, 72.9978, 78.7443**.

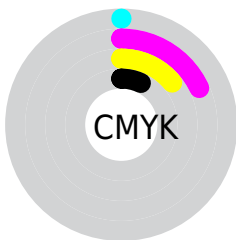
# Distribution



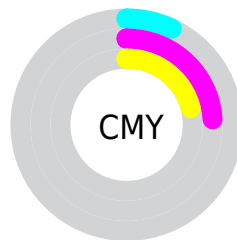
- Red (93%)
- Green (76%)
- Blue (79%)



- Red (93%)
- Yellow (76%)
- Blue (79%)



- Cyan (0%)
- Magenta (18%)
- Yellow (14%)
- Black (7%)



- Cyan (7%)
- Magenta (24%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5445, 60.6807, 64.1878 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 64.5445, 60.6807, 64.1878 by changing the saturation by 10% instead.



64.5445, 60.6807,  
64.1878

64.5445, 60.6807,  
64.1878

430.7244,  
427.1023, 458.0936

47.3552, 43.9675,  
46.3556

110.4641,  
105.8165, 112.4834

33.5256, 30.6450,  
32.1759

139.9251,  
135.0079, 143.7840

22.6906, 20.3287,  
21.2299

174.2073,  
169.1275, 180.4111

14.4846, 12.6342,  
13.0993

213.6761,  
208.5597, 222.7832

8.5424, 7.1771,  
7.3654

258.6968,  
253.6889, 271.3190

4.4987, 3.5731,  
3.6098

309.6349,

1.9879, 1.4378,

304.8994, 326.4370

1.4138

366.8556,  
362.5758, 388.5557

■ 0.6272, 0.2443,  
0.1525

■ 0.0000, 0.0000,  
0.0000

■ 64.5445, 60.6807,  
64.1878

■ 64.5445, 60.6807,  
64.1878

■ 57.5795, 50.1493,  
51.3873

■ 72.6272, 72.9978,  
78.7443

■ 51.6775, 41.3127,  
40.2721

■ 81.8687, 87.1696,  
95.1159

■ 46.7871, 34.0845,  
30.7724

■ 88.4023, 96.5730,  
108.5889

■ 42.8502, 28.3672,  
22.8120

■ 39.8030, 24.0530,  
16.3084

■ 37.5736, 21.0193,  
11.1711

■ 36.0781, 19.1227,  
7.2991

■ 35.2063, 18.1690,  
4.5735

■ 35.0647, 18.0219,  
4.1064

# Harmonies

## Analogous

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



63.9491, 60.6807, 74.2072



64.5445, 60.6807, 64.1878



63.2405, 60.6807, 55.5661

# Triad

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



64.5445, 60.6807, 64.1878



53.8800, 60.6807, 51.7923



54.9864, 60.6807, 84.9878

# Complementary

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



64.5445, 60.6807, 64.1878



66.2496, 77.0631, 84.7854

# 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.



52.4463, 60.6807, 77.8227



64.5445, 60.6807, 64.1878



51.8256, 60.6807, 58.5523

# Square

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



64.5445, 60.6807, 64.1878



57.0138, 60.6807, 48.8831



51.3114, 60.6807, 67.9906



58.3416, 60.6807, 86.8785



# Rectangle

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



64.5445, 60.6807, 64.1878



61.4991, 60.6807, 51.5553



51.3114, 60.6807, 67.9906



54.0132, 60.6807, 83.0836

# Sweetspot

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



64.5462, 60.6834, 64.1891



89.4988, 91.4861, 99.0698



66.3022, 61.0712, 87.6509



18.9955, 19.3354, 20.9188



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.



64.5462, 60.6834, 64.1891



74.0707, 67.9790, 71.2706



66.5476, 66.1624, 60.3055



15.1826, 15.1009, 16.2471



19.3634, 9.9480, 2.4488



1.5531, 0.7942, 0.3642



# Inverse Universe

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



64.5462, 60.6834, 64.1891



74.0707, 67.9790, 71.2706



63.8853, 70.5168, 89.6014



15.1826, 15.1009, 16.2471



19.3634, 9.9480, 2.4488

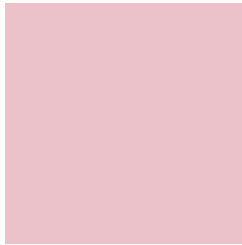


1.5531, 0.7942, 0.3642



# Previews

## White Background



This preview shows how the XYZ color 64.5445, 60.6807, 64.1878 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

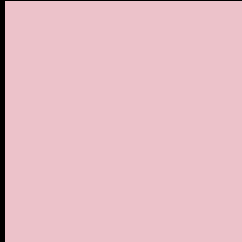
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.5445, 60.6807, 64.1878 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 64.5445, 60.6807, 64.1878**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.5445, 60.6807, 64.1878.



This preview shows how white text looks on a background with the XYZ color 64.5445, 60.6807,



# 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

64.5445, 60.6807, 64.1878

### Protanopia

58.7102, 61.0052, 68.3553

### Deuteranopia

62.1007, 60.7740, 63.7158



## Tritanopia

65.3802, 60.6985, 67.9446

# Trichromacy



## Original Color

64.5445, 60.6807, 64.1878

## Protanomaly

60.7083, 60.6702, 66.9034

## Deuteranomaly

63.1420, 60.9725, 63.6993

## Tritanomaly

65.1356, 60.6007, 66.6566

# Monochromacy



## Original Color

64.5445, 60.6807, 64.1878

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

61.0534, 61.5543, 66.4209

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.5445, 60.6807, 64.1878 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(236, 194, 202)` looks like.

```
.text, #text, p{  
    color:rgb(236, 194, 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(236, 194, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 194, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 64.5445, 60.6807, 64.1878 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(236, 194, 202) }
```



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

```
.border{ border-color:rgb(236, 194, 202) }
```

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

Here you see how a box with a 4 pixel rgb(236, 194, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 194, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 194, 202);  
box-shadow:4px 4px 4px 4px rgb(236, 194,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.5445, 60.6807, 64.1878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 194, 202) }
```

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

```
.background{ background-color: rgb(236,  
194, 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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