

# Converting Colors

XYZ(65.6165, 64.8957, 48.3379)

Have a look what the booklet for  
XYZ(65.6165, 64.8957, 48.3379)  
contains.

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# Color

**XYZ(65.6572, 65.0415,  
48.1235)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2CCAC
RGB	242, 204, 172
RGB Percent	95%, 80%, 67%
CMY	0.0510, 0.2000, 0.3255
CMYK	0.00, 0.16, 0.29, 0.05
HSL	27°, 73%, 81%
HSV	27°, 29%, 95%
XYZ	65.6572, 65.0415, 48.1235
YIQ	211.7140, 32.9200, -1.8960

# Conversions

## Conversions Part 2

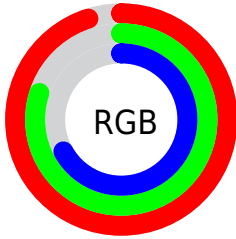
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 231, 172
Decimal	15912108
CIE Lab	84.51, 8.78, 20.94
CIE LCh	85, 22.707, 67.242
Yxy	65.0415, 0.3672, 0.3637
Android (android.graphics.Color)	4294102188 (0xFFF2CCAC)
YUV	211.7140, -19.5790, 26.5608
Hunter-Lab	80.6483, 4.1854, 21.0750

# Details

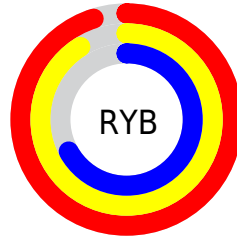
The XYZ color **65.6572, 65.0415, 48.1235** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.0863, 61.2729, 92.8754**, and the grayscale version is **62.5013, 65.7563, 71.6086**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **34.3041, 33.4830, 22.4242** is the 20% darker color. If you saturate the color by 10%, you get **60.5502, 58.2143, 35.9799**, and if you desaturate by 10%, it is **71.4542, 72.5707, 62.5865**.

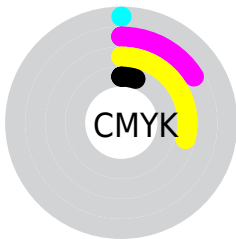
# Distribution



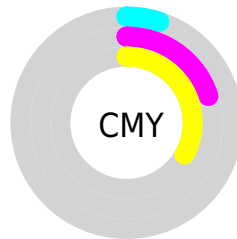
- Red (95%)
- Green (80%)
- Blue (67%)



- Red (95%)
- Yellow (91%)
- Blue (67%)



- Cyan (0%)
- Magenta (16%)
- Yellow (29%)
- Black (5%)




- Cyan (5%)
- Magenta (20%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6572, 65.0415, 48.1235 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 65.6572, 65.0415, 48.1235 by changing the saturation by 10% instead.




 65.6572, 65.0415,  
48.1235

 65.6572, 65.0415,  
48.1235

434.6579,  
442.9411, 395.8043

 48.2609, 47.4947,  
33.5640


 112.0546,  
112.1095, 88.7557

 34.2456, 33.4269,  
22.2842


141.7864,  
142.3996, 115.6655

 23.2461, 22.4537,  
13.8656

176.3608,  
177.7061, 147.5292

 14.8971, 14.1907,  
7.8896

216.1430,  
218.4137, 184.7653

 8.8330, 8.2534,  
3.9376

261.4985,  
264.9065, 227.7923

 4.6887, 4.2575,  
1.5912


312.7925,


 2.0986, 1.8186,


317.5691, 277.0287

0.2845


370.3906,  
376.7858, 332.8932


 0.6885, 0.4987,  
0.0000


 0.0000, 0.0000,  
0.0000


 65.6572, 65.0415,  
48.1235


 65.6572, 65.0415,  
48.1235


 60.5502, 58.2143,  
35.9799


 71.4542, 72.5707,  
62.5865


 56.0987, 52.0579,  
26.0284

 77.9635, 80.8138,  
79.4790

 52.2725, 46.5519,  
18.1357

 85.2129, 89.7939,  
98.9086

 49.0364, 41.6710,  
12.1516

 90.4280, 97.6173,  
108.6837

■ 46.3513, 37.3877,  
7.9057

■ 44.1717, 33.6717,  
5.1961

■ 42.4328, 30.4841,  
3.7223

■ 42.2639, 30.1690,  
3.5956

# Harmonies

## Analogous

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



69.8862, 65.0415, 55.2714



65.6572, 65.0415, 48.1235



60.6026, 65.0415, 46.6355

# Triad

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



65.6572, 65.0415, 48.1235



52.6693, 65.0415, 74.3871



67.8916, 65.0415, 95.3748

# Complementary

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



65.6572, 65.0415, 48.1235



56.0863, 61.2729, 92.8754

# 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.



63.0536, 65.0415, 102.1832



65.6572, 65.0415, 48.1235



54.3997, 65.0415, 89.0392

# Square

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



65.6572, 65.0415, 48.1235



53.2821, 65.0415, 60.5862



58.1353, 65.0415, 99.7193



71.2245, 65.0415, 82.1439



# Rectangle

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



65.6572, 65.0415, 48.1235



57.4761, 65.0415, 48.8386



58.1353, 65.0415, 99.7193



66.3775, 65.0415, 98.5671

# Sweetspot

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



65.6589, 65.0445, 48.1248



87.7266, 90.9170, 89.3062



63.0663, 53.0612, 68.2184



18.5375, 19.1594, 18.4845



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.



65.6589, 65.0445, 48.1248



70.3055, 68.4149, 45.4562



74.7850, 83.2968, 51.1669



16.3682, 16.9495, 16.5586



22.8375, 16.4730, 1.9759



1.9982, 1.5670, 0.1971

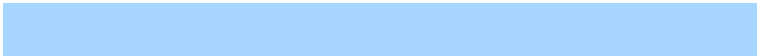


# Inverse Universe

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



56.0863, 61.2729, 92.8754



57.8192, 63.4913, 103.8154



48.4685, 46.0373, 90.3361



15.6082, 16.6505, 20.1128



13.1341, 12.4924, 46.8469

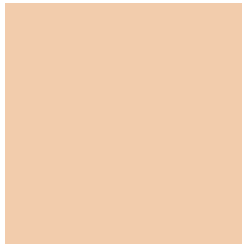


1.1920, 1.2380, 3.9303



# Previews

## White Background



This preview shows how the XYZ color 65.6572, 65.0415, 48.1235 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

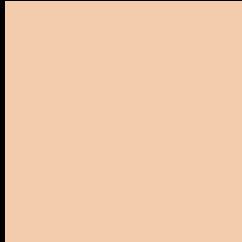
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.6572, 65.0415, 48.1235 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

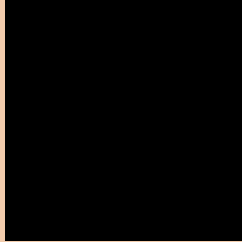
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.6572, 65.0415, 48.1235

## Background



This preview shows how black text looks on a background with the XYZ color 65.6572, 65.0415, 48.1235.



This preview shows how white text looks on a background with the XYZ color 65.6572, 65.0415,

48.1235.

# 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

65.6572, 65.0415, 48.1235

### Protanopia

61.4636, 65.3717, 49.9360

### Deuteranopia

66.4585, 65.1029, 48.0931



## Tritanopia

70.6895, 65.0174, 72.4422

# Trichromacy



## Original Color

65.6572, 65.0415, 48.1235

## Protanomaly

62.8290, 64.9907, 49.2774

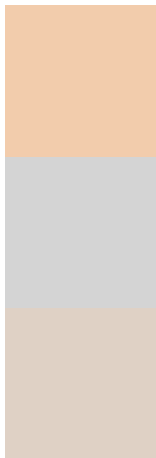
## Deuteranomaly

66.1106, 64.9235, 48.0768

## Tritanomaly

68.6193, 64.8446, 62.9325

# Monochromacy



## Original Color

65.6572, 65.0415, 48.1235

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

63.3099, 65.3201, 62.0946

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.6572, 65.0415, 48.1235 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(242, 204, 172)` looks like.

```
.text, #text, p{  
    color:rgb(242, 204, 172)  
}
```

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(242, 204, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 204, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 65.6572, 65.0415, 48.1235 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(242, 204, 172) }
```



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

```
.border{ border-color:rgb(242, 204, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 204, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 204, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 204, 172);  
box-shadow:4px 4px 4px 4px rgb(242, 204,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.6572, 65.0415, 48.1235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 204, 172) }
```

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

```
.background{ background-color: rgb(242,  
204, 172) }
```

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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