

# Converting Colors

XYZ(68.1224, 65.0588, 64.5118)

Have a look what the booklet for  
XYZ(68.1224, 65.0588, 64.5118)  
contains.

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# **Color**

**XYZ(68.0472, 64.8676,  
64.1926)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2C9C9
RGB	242, 201, 201
RGB Percent	95%, 79%, 79%
CMY	0.0510, 0.2117, 0.2118
CMYK	0.00, 0.17, 0.17, 0.05
HSL	0°, 61%, 87%
HSV	0°, 17%, 95%
XYZ	68.0472, 64.8676, 64.1926
YIQ	213.2590, 24.4360, 8.6920

# Conversions

## Conversions Part 2

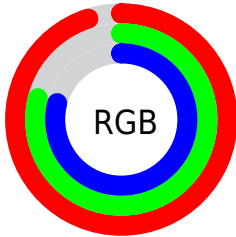
Format	Color
R <sub>Y</sub> B	242, 201, 201
Decimal	15911369
CIE Lab	84.42, 14.47, 5.43
CIE LCh	84, 15.454, 20.563
Yxy	64.8676, 0.3452, 0.3291
Android (android.graphics.Color)	4294101449 (0xFFFF2C9C9)
YUV	213.2590, -6.0437, 25.2059
Hunter-Lab	80.5404, 9.8658, 9.1228

# Details

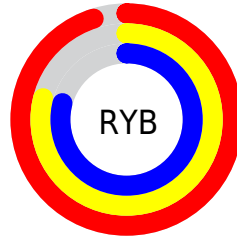
The XYZ color **68.0472, 64.8676, 64.1926** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **71.8659, 82.3306, 96.1086**, and the grayscale version is **63.4484, 66.7527, 72.6937**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7078, 33.2883, 32.1470** is the 20% darker color. If you saturate the color by 10%, you get **60.2185, 53.4124, 48.6270**, and if you desaturate by 10%, it is **77.2165, 78.2851, 82.4192**.

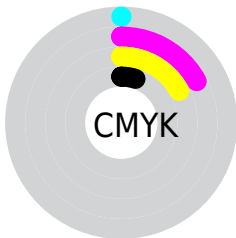
# Distribution



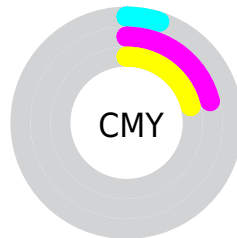
- Red (95%)
- Green (79%)
- Blue (79%)



- Red (95%)
- Yellow (79%)
- Blue (79%)



- Cyan (0%)
- Magenta (17%)
- Yellow (17%)
- Black (5%)




- Cyan (5%)
- Magenta (21%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0472, 64.8676, 64.1926 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 68.0472, 64.8676, 64.1926 by changing the saturation by 10% instead.



 68.0472, 64.8676,  
64.1926

 68.0472, 64.8676,  
64.1926


443.0373,  
442.3160, 458.1114

 50.2100, 47.3537,  
46.3595


115.4612,  
111.8595, 112.4904

 35.7987, 33.3154,  
32.1789

145.7687,  
142.1063, 143.7922

 24.4482, 22.3682,  
21.2322


180.9636,  
177.3662, 180.4206

 15.7929, 14.1277,  
13.1010

221.4113,  
218.0236, 222.7942

 9.4677, 8.2095,  
7.3666

267.4772,  
264.4629, 271.3316

 5.1070, 4.2293,  
3.6105

319.5266,

 2.3456, 1.8026,

317.0685, 326.4512

1.4142

377.9248,  
376.2247, 388.5716

■ 0.8178, 0.4888,  
0.1527

■ 0.0000, 0.0000,  
0.0000

■ 68.0472, 64.8676,  
64.1926

■ 68.0472, 64.8676,  
64.1926

■ 60.2185, 53.4124,  
48.6270

■ 77.2165, 78.2851,  
82.4192

■ 53.6627, 43.8195,  
35.5943

■ 87.7795, 93.7414,  
103.4188

■ 48.3142, 35.9929,  
24.9617

■ 90.4282, 97.6174,  
108.6837

■ 44.0992, 29.8251,  
16.5829

■ 40.9362, 25.1966,  
10.2955

■ 38.7326, 21.9720,  
5.9155

■ 37.3799, 19.9924,  
3.2270

■ 36.7393, 19.0548,  
1.9541

■ 36.6185, 18.8779,  
1.7138

# Harmonies

## Analogous

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



68.4017, 64.8676, 73.7766



68.0472, 64.8676, 64.1926



65.9458, 64.8676, 57.0059

# Triad

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



68.0472, 64.8676, 64.1926



56.6935, 64.8676, 59.2834



60.5782, 64.8676, 90.9791

# Complementary

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



68.0472, 64.8676, 64.1926



71.8659, 82.3306, 96.1086

# 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.



57.5539, 64.8676, 86.2678



68.0472, 64.8676, 64.1926



55.3666, 64.8676, 67.5737

# Square

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



68.0472, 64.8676, 64.1926



59.3640, 64.8676, 54.3596



55.6757, 64.8676, 77.4835



64.0036, 64.8676, 89.8601



# Rectangle

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



68.0472, 64.8676, 64.1926



63.8786, 64.8676, 54.2529



55.6757, 64.8676, 77.4835



59.4830, 64.8676, 90.0094

# Sweetspot

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



68.0490, 64.8705, 64.1940



89.1316, 91.3398, 97.1340



73.5323, 67.0622, 93.0736



18.9067, 19.3000, 20.4504



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

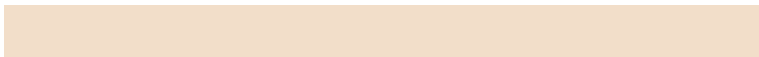
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.0490, 64.8705, 64.1940



73.7333, 68.8080, 66.5218



73.1499, 75.0724, 65.8943



15.7730, 15.7591, 16.3602



19.6717, 10.1414, 0.9207



1.6365, 0.8438, 0.0766

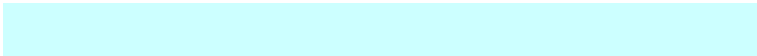


# Inverse Universe

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



71.8659, 82.3306, 96.1086



78.7101, 91.5739, 108.1348



66.1039, 70.8065, 94.1879



16.2473, 17.9287, 20.3259



25.6632, 37.5507, 51.0233

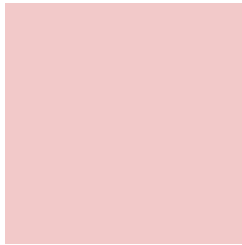


2.1350, 3.1240, 4.2447



# Previews

## White Background



This preview shows how the XYZ color 68.0472, 64.8676, 64.1926 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

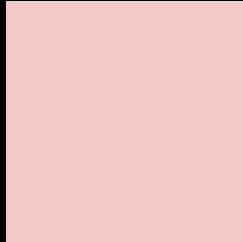
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.0472, 64.8676, 64.1926 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

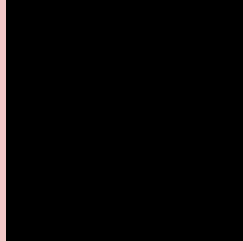
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 68.0472, 64.8676, 64.1926**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.0472, 64.8676, 64.1926.



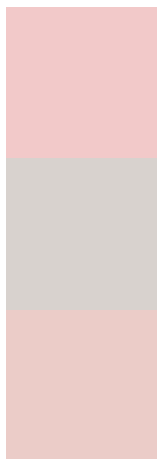
This preview shows how white text looks on a background with the XYZ color 68.0472, 64.8676,



# 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

68.0472, 64.8676, 64.1926

### Protanopia

62.5061, 65.1483, 67.6730

### Deuteranopia

66.2791, 65.0180, 63.7000



## Tritanopia

69.8692, 64.9350, 72.4695

# Trichromacy



## Original Color

68.0472, 64.8676, 64.1926

## Protanomaly

64.2632, 64.9928, 66.2846

## Deuteranomaly

67.0412, 65.0591, 63.6678

## Tritanomaly

69.1250, 64.9667, 69.2181

# Monochromacy



## Original Color

68.0472, 64.8676, 64.1926

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

65.0496, 66.0517, 69.6424

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.0472, 64.8676, 64.1926 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, 201, 201)` looks like.

```
.text, #text, p{  
    color:rgb(242, 201, 201)  
}
```

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, 201, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 201, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 68.0472, 64.8676, 64.1926 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, 201, 201) }
```



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

```
.border{ border-color:rgb(242, 201, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 201, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 201, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 201, 201);  
box-shadow:4px 4px 4px 4px rgb(242, 201,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.0472, 64.8676, 64.1926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 201, 201) }
```

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

```
.background{ background-color: rgb(242,  
201, 201) }
```

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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