

# Converting Colors

XYZ(71.1734, 72.3211, 64.8517)

Have a look what the booklet for  
XYZ(71.1734, 72.3211, 64.8517)  
contains.

<b>XYZ(71.1734, 72.3211, 64.8517)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(71.1734, 72.3211,  
64.8517)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0D9C8
RGB	240, 217, 200
RGB Percent	94%, 85%, 78%
CMY	0.0588, 0.1490, 0.2157
CMYK	0.00, 0.10, 0.17, 0.06
HSL	26°, 57%, 86%
HSV	26°, 17%, 94%
XYZ	71.1734, 72.3211, 64.8517
YIQ	221.9390, 19.1650, -0.4110

# Conversions

## Conversions Part 2

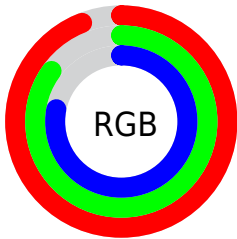
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	240, 230, 200
Decimal	15784392
CIE <sub>Lab</sub>	88.12, 5.24, 11.25
CIE <sub>LCh</sub>	88, 12.408, 65.035
Yxy	72.3211, 0.3416, 0.3471
Android (android.graphics.Color)	4293974472 (0xFFFF0D9C8)
YUV	221.9390, -10.8159, 15.8395
Hunter-Lab	85.0418, 0.5675, 14.3155

# Details

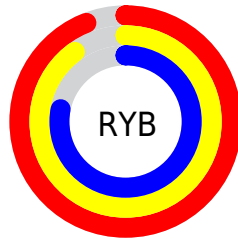
The XYZ color **71.1734, 72.3211, 64.8517** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **65.9350, 71.3445, 92.7345**, and the grayscale version is **69.4542, 73.0712, 79.5746**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.8758, 38.1063, 32.5531** is the 20% darker color. If you saturate the color by 10%, you get **65.1773, 64.4705, 50.0839**, and if you desaturate by 10%, it is **77.9111, 80.9490, 82.0406**.

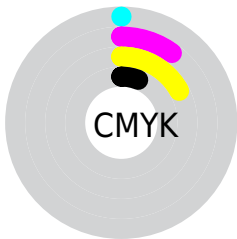
# Distribution



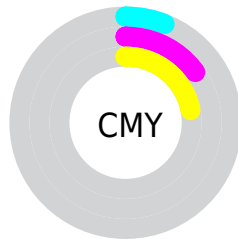
- Red (94%)
- Green (85%)
- Blue (78%)



- Red (94%)
- Yellow (90%)
- Blue (78%)



- Cyan (0%)
- Magenta (10%)
- Yellow (17%)
- Black (6%)



- Cyan (6%)
- Magenta (15%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1734, 72.3211, 64.8517 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 71.1734, 72.3211, 64.8517 by changing the saturation by 10% instead.



71.1734, 72.3211,  
64.8517

71.1734, 72.3211,  
64.8517

453.8618,  
468.6585, 460.5505

52.7668, 53.4210,  
46.8903

119.8978,  
122.5129, 113.4479

37.8433, 38.1390,  
32.5952

150.9462,  
154.5735, 144.9196

26.0378, 26.0906,  
21.5479

186.9393,  
191.7897, 181.7320

16.9847, 16.8914,  
13.3300

228.2424,  
234.5458, 224.3034

10.3188, 10.1571,  
7.5228

275.2208,  
283.2264, 273.0524

5.6748, 5.5032,  
3.7078

328.2399,

2.6871, 2.5454,

338.2158, 328.3975

1.4664

387.6652,  
399.8983, 390.7574

■ 0.9905, 0.8993,  
0.1927

■ 0.0000, 0.0000,  
0.0000

■ 71.1734, 72.3211,  
64.8517

■ 71.1734, 72.3211,  
64.8517

■ 65.1773, 64.4705,  
50.0839

■ 77.9111, 80.9490,  
82.0406

■ 59.8893, 57.3648,  
37.6224

■ 85.4107, 90.3662,  
101.7492

■ 55.2816, 50.9834,  
27.3497

■ 89.7455, 97.2654,  
108.6518

■ 51.3222, 45.3009,  
19.1360

■ 47.9764, 40.2904,  
12.8378

■ 45.2051, 35.9225,  
8.2927

■ 42.9638, 32.1649,  
5.3106

■ 41.1982, 28.9807,  
3.6522

■ 40.6895, 28.0335,  
3.2664

# Harmonies

## Analogous

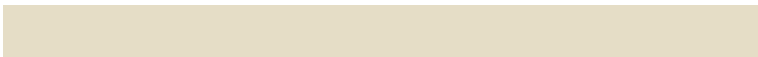
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.5135, 72.3211, 69.7392



71.1734, 72.3211, 64.8517



68.2399, 72.3211, 63.5752

# Triad

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



71.1734, 72.3211, 64.8517



63.2150, 72.3211, 80.1871



72.0641, 72.3211, 92.8850

# Complementary

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



71.1734, 72.3211, 64.8517



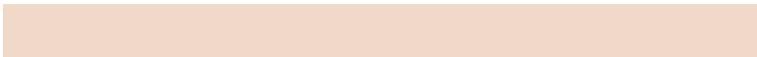
65.9350, 71.3445, 92.7345

# 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.



69.2406, 72.3211, 96.1551



71.1734, 72.3211, 64.8517



64.1759, 72.3211, 88.4953

# Square

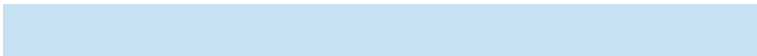
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.1734, 72.3211, 64.8517



63.6991, 72.3211, 72.0533



66.3608, 72.3211, 94.4939



74.0380, 72.3211, 85.8395



# Rectangle

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



71.1734, 72.3211, 64.8517



66.3546, 72.3211, 64.8591



66.3608, 72.3211, 94.4939



71.1799, 72.3211, 94.4844

# Sweetspot

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



71.1754, 72.3243, 64.8532



90.7707, 94.6180, 97.6804



69.9546, 65.1805, 78.9428



19.3038, 20.0942, 20.5828



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

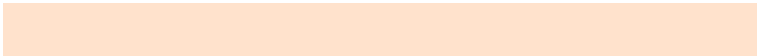


# Same Dimension

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



71.1754, 72.3243, 64.8532



79.2487, 79.8389, 68.3603



76.5491, 83.0717, 66.6445



16.3252, 16.8635, 16.5443



22.3995, 15.5970, 1.8299



1.9600, 1.4907, 0.1844

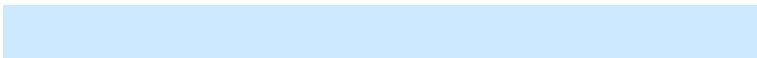


# Inverse Universe

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



65.9350, 71.3445, 92.7345



72.1812, 78.5161, 105.9585



60.9833, 61.4411, 91.0840



15.6518, 16.7378, 20.1274



13.7176, 13.6594, 47.0414

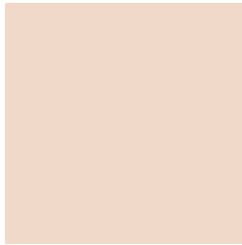


1.2396, 1.3331, 3.9462



# Previews

## White Background



This preview shows how the XYZ color 71.1734, 72.3211, 64.8517 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

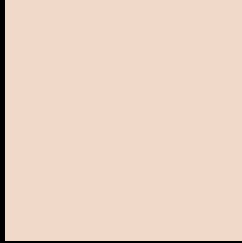
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.1734, 72.3211, 64.8517 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

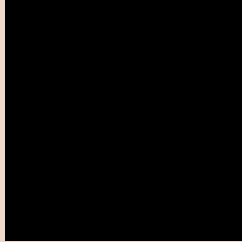
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.1734, 72.3211, 64.8517**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.1734, 72.3211, 64.8517.



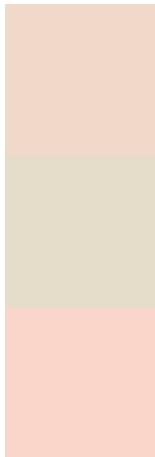
This preview shows how white text looks on a background with the XYZ color 71.1734, 72.3211,



# 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

71.1734, 72.3211, 64.8517

### Protanopia

68.8870, 72.2737, 66.1966

### Deuteranopia

73.7612, 72.1295, 65.2931



## **Tritanopia**

75.2453, 72.4787, 84.1527

# Trichromacy



## Original Color

71.1734, 72.3211, 64.8517

## Protanomaly

69.8058, 72.3725, 65.5485

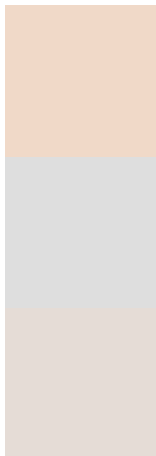
## Deuteranomaly

72.5952, 71.9030, 65.3108

## Tritanomaly

73.6636, 72.2098, 76.3851

# Monochromacy



## Original Color

71.1734, 72.3211, 64.8517

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

70.0439, 72.6995, 73.9590

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.1734, 72.3211, 64.8517 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(240, 217, 200)` looks like.

```
.text, #text, p{  
    color:rgb(240, 217, 200)  
}
```

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(240, 217, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 217, 200) }
```

## Border

The CSS property to change the border of an element to XYZ 71.1734, 72.3211, 64.8517 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(240, 217, 200) }
```



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

```
.border{ border-color:rgb(240, 217, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 217, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 217, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 217, 200);  
box-shadow:4px 4px 4px 4px rgb(240, 217,  
200) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.1734, 72.3211, 64.8517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 217, 200) }
```

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

```
.background{ background-color: rgb(240,  
217, 200) }
```

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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