

# Converting Colors

XYZ(70.9915, 74.3481, 65.5604)

Have a look what the booklet for  
XYZ(70.9915, 74.3481, 65.5604)  
contains.

<b>XYZ(70.9248, 74.1218, 65.8271)</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(70.9248, 74.1218,  
65.8271)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EBDEC9
RGB	235, 222, 201
RGB Percent	92%, 87%, 79%
CMY	0.0784, 0.1294, 0.2118
CMYK	0.00, 0.06, 0.14, 0.08
HSL	37°, 46%, 85%
HSV	37°, 14%, 92%
XYZ	70.9248, 74.1218, 65.8271
YIQ	223.4930, 14.4890, -3.7750

# Conversions

## Conversions Part 2

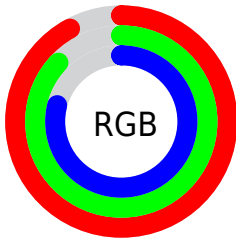
Format	Color
RYB	222, 235, 201
Decimal	15457993
CIELab	88.98, 1.01, 11.89
CIELCh	89, 11.930, 85.128
Yxy	74.1218, 0.3363, 0.3515
Android (android.graphics.Color)	4293648073 (0xFFEBDEC9)
YUV	223.4930, -11.0890, 10.0916
Hunter-Lab	86.0940, -3.6151, 14.9329

# Details

The XYZ color **70.9248, 74.1218, 65.8271** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.1290, 66.5072, 88.1077**, and the grayscale version is **70.5609, 74.2355, 80.8425**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6756, 39.3277, 33.2091** is the 20% darker color. If you saturate the color by 10%, you get **66.0473, 68.4572, 51.5901**, and if you desaturate by 10%, it is **76.3564, 80.2164, 82.3372**.

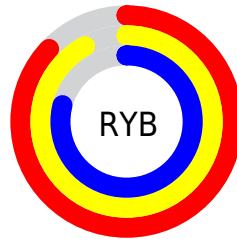
# Distribution



Red (92%)

Green (87%)

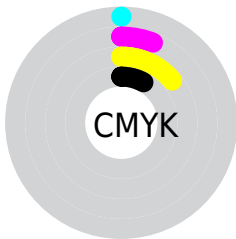
Blue (79%)



Red (87%)

Yellow (92%)

Blue (79%)

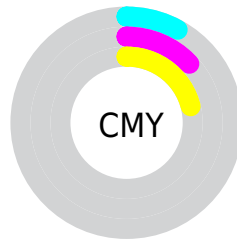


Cyan (0%)

Magenta (6%)

Yellow (14%)

Black (8%)



Cyan (8%)

Magenta (13%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9248, 74.1218, 65.8271 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 70.9248, 74.1218, 65.8271 by changing the saturation by 10% instead.



70.9248, 74.1218,  
65.8271

70.9248, 74.1218,  
65.8271

453.0064,  
474.8936, 464.1456

52.5631, 54.8937,  
47.6765

119.5457,  
125.0685, 114.8628

37.6802, 39.3166,  
33.2126

150.5357,  
157.5558, 146.5849

25.9107, 27.0061,  
22.0169

186.4659,  
195.2318, 183.6679

16.8892, 17.5778,  
13.6709

227.7015,  
238.4807, 226.5304

10.2503, 10.6473,  
7.7560

274.6081,  
287.6869, 275.5909

5.6288, 5.8302,  
3.8537

327.5508,

2.6592, 2.7421,

343.2349, 331.2679

1.5454

386.8952,  
405.5090, 393.9799

■ 0.9762, 0.9986,  
0.2514

■ 0.0000, 0.0000,  
0.0000

■ 70.9248, 74.1218,  
65.8271

■ 70.9248, 74.1218,  
65.8271

■ 66.0473, 68.4572,  
51.5901

■ 76.3564, 80.2164,  
82.3372

■ 61.6969, 63.2011,  
39.5198

■ 82.3559, 86.7421,  
101.2106

■ 57.8527, 58.3446,  
29.5085

■ 86.1719, 92.6038,  
107.9403

■ 54.4904, 53.8746,  
21.4372

■ 88.0712, 96.4023,  
108.5734

■ 51.5831, 49.7769,  
15.1746

■ 49.1005, 46.0360,  
10.5731

■ 47.0082, 42.6346,  
7.4612

■ 45.2642, 39.5521,  
5.6294

■ 44.4143, 37.9685,  
4.9878

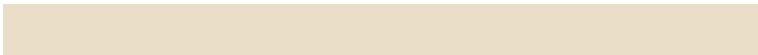
# Harmonies

## Analogous

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



73.6846, 74.1218, 68.3088



70.9248, 74.1218, 65.8271



68.1108, 74.1218, 67.1034

# Triad

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



70.9248, 74.1218, 65.8271



65.5253, 74.1218, 87.6740



75.1216, 74.1218, 90.1779

# Complementary

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



70.9248, 74.1218, 65.8271



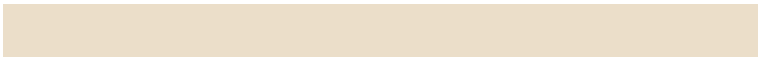
63.1290, 66.5072, 88.1077

# 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.



72.8433, 74.1218, 96.0329



70.9248, 74.1218, 65.8271



67.3126, 74.1218, 94.5192

# Square

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



70.9248, 74.1218, 65.8271



65.0432, 74.1218, 79.3584



69.9784, 74.1218, 97.6734



76.1496, 74.1218, 82.0688

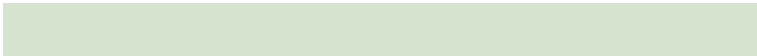


# Rectangle

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



70.9248, 74.1218, 65.8271



66.5750, 74.1218, 69.9628



69.9784, 74.1218, 97.6734



74.4736, 74.1218, 92.4963

# Sweetspot

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



70.9268, 74.1251, 65.8287



92.2198, 96.8981, 100.0689



67.2902, 64.2931, 72.5047



19.6276, 20.6174, 21.0744



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

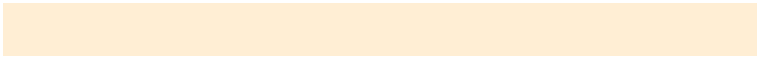


# Same Dimension

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



70.9268, 74.1251, 65.8287



83.7798, 87.3963, 74.5096



73.2173, 80.6287, 66.9633



15.8404, 16.6038, 15.8887



24.8455, 21.3853, 2.8183



2.0434, 1.8642, 0.2521



# Inverse Universe

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



63.1290, 66.5072, 88.1077



72.9042, 76.7723, 105.5838



61.0506, 60.7469, 87.1053



14.7031, 15.4927, 19.1377



10.4860, 7.6190, 44.6609

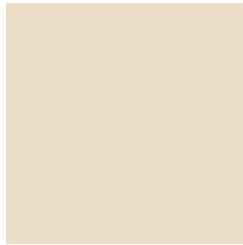


0.9138, 0.7791, 3.5371



# Previews

## White Background



This preview shows how the XYZ color 70.9248, 74.1218, 65.8271 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

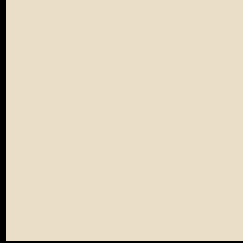
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.9248, 74.1218, 65.8271 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

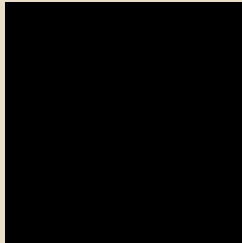
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.9248, 74.1218, 65.8271**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.9248, 74.1218, 65.8271.



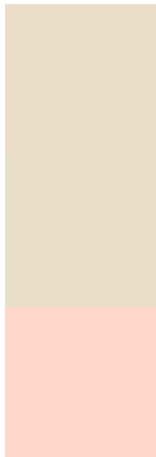
This preview shows how white text looks on a background with the XYZ color 70.9248, 74.1218,

65.8271.

# 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

70.9248, 74.1218, 65.8271

### Protanopia

70.5346, 74.3160, 65.8852

### Deuteranopia

75.4691, 73.7478, 66.1342



## Tritanopia

75.2607, 73.9169, 88.1426

# Trichromacy



## Original Color

70.9248, 74.1218, 65.8271

## Protanomaly

70.8620, 74.4848, 65.9005

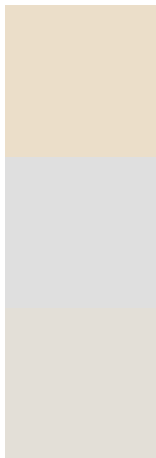
## Deuteranomaly

73.7381, 73.9999, 66.2741

## Tritanomaly

73.7762, 74.1141, 79.5243

# Monochromacy



## Original Color

70.9248, 74.1218, 65.8271

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

70.3320, 74.0125, 74.8689

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.9248, 74.1218, 65.8271 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(235, 222, 201)` looks like.

```
.text, #text, p{  
    color:rgb(235, 222, 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(235, 222, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 222, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 70.9248, 74.1218, 65.8271 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(235, 222, 201) }
```



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

```
.border{ border-color:rgb(235, 222, 201) }
```

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

Here you see how a box with a 4 pixel rgb(235, 222, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 222, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 222, 201);  
box-shadow:4px 4px 4px 4px rgb(235, 222,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.9248, 74.1218, 65.8271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 222, 201) }
```

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

```
.background{ background-color: rgb(235,  
222, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor