

# Converting Colors

XYZ(64.8313, 64.9849, 70.9091)

Have a look what the booklet for  
XYZ(64.8313, 64.9849, 70.9091)  
contains.

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# Color

**XYZ(64.5696, 64.6931,  
70.7118)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0CED3
RGB	224, 206, 211
RGB Percent	88%, 81%, 83%
CMY	0.1216, 0.1921, 0.1725
CMYK	0.00, 0.08, 0.06, 0.12
HSL	343°, 22%, 84%
HSV	343°, 8%, 88%
XYZ	64.5696, 64.6931, 70.7118
YIQ	211.9520, 9.1230, 5.3710

# Conversions

## Conversions Part 2

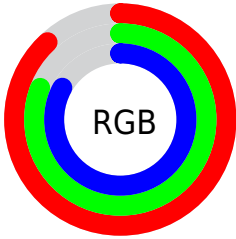
Format	Color
R <sub>Y</sub> B	224, 206, 211
Decimal	14733011
CIE Lab	84.33, 7.10, -0.22
CIE LCh	84, 7.108, 358.207
Yxy	64.6931, 0.3229, 0.3235
Android (android.graphics.Color)	4292923091 (0xFFE0CED3)
YUV	211.9520, -0.4693, 10.5661
Hunter-Lab	80.4320, 2.5410, 4.1776

# Details

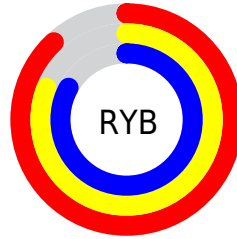
The XYZ color **64.5696, 64.6931, 70.7118** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.8979, 71.5491, 77.4112**, and the grayscale version is **62.5478, 65.8051, 71.6618**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6762, 33.3258, 36.5559** is the 20% darker color. If you saturate the color by 10%, you get **57.6294, 53.8967, 58.8888**, and if you desaturate by 10%, it is **72.4863, 77.1138, 83.8694**.

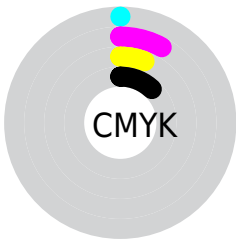
# Distribution



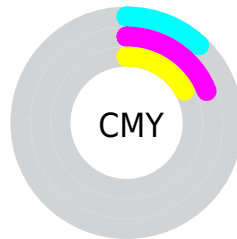
- Red (88%)
- Green (81%)
- Blue (83%)



- Red (88%)
- Yellow (81%)
- Blue (83%)



- Cyan (0%)
- Magenta (8%)
- Yellow (6%)
- Black (12%)



- Cyan (12%)
- Magenta (19%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5696, 64.6931, 70.7118 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 64.5696, 64.6931, 70.7118 by changing the saturation by 10% instead.



64.5696, 64.6931,  
70.7118

64.5696, 64.6931,  
70.7118

430.8134,  
441.6883, 481.9018

47.3756, 47.2123,  
51.6267

110.5000,  
111.6085, 121.9139

33.5418, 33.2035,  
36.3274

139.9671,  
141.8119, 154.8679

22.7031, 22.2824,  
24.3955

174.2559,  
177.0249, 193.2820

14.4939, 14.0645,  
15.4123

213.7318,  
217.6319, 237.5746

8.5490, 8.1656,  
8.9594

258.7602,  
264.0174, 288.1644

4.5029, 4.2011,  
4.6183

309.7063,

1.9904, 1.7867,

316.5657, 345.4698

1.9703

366.9356,  
375.6612, 409.9094

■ 0.6286, 0.4788,  
0.5369

■ 0.0000, 0.0000,  
0.0000

■ 64.5696, 64.6931,  
70.7118

■ 64.5696, 64.6931,  
70.7118

■ 57.6294, 53.8967,  
58.8888

■ 72.4863, 77.1138,  
83.8694

■ 51.6217, 44.6491,  
48.3538

■ 81.4100, 91.2136,  
98.3979

■ 46.5075, 36.8812,  
39.0634

■ 84.5508, 94.5874,  
108.4086

■ 42.2427, 30.5157,  
30.9704

■ 38.7795, 25.4680,  
24.0242

■ 36.0650, 21.6442,  
18.1705

■ 34.0396, 18.9380,  
13.3502

■ 32.6341, 17.2247,  
9.4978

■ 31.7534, 16.3290,  
6.5354

# Harmonies

## Analogous

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



64.1022, 64.6931, 75.1146



64.5696, 64.6931, 70.7118



64.1998, 64.6931, 66.4144

# Triad

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



64.5696, 64.6931, 70.7118



60.0668, 64.6931, 63.0609



59.9052, 64.6931, 78.0816

# Complementary

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



64.5696, 64.6931, 70.7118



64.8979, 71.5491, 77.4112

# 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.



58.8553, 64.6931, 74.6246



64.5696, 64.6931, 70.7118



58.9475, 64.6931, 65.9630

# Square

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



64.5696, 64.6931, 70.7118



61.5838, 64.6931, 62.1118



58.5077, 64.6931, 70.1685



61.3940, 64.6931, 79.4808



# Rectangle

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



64.5696, 64.6931, 70.7118



63.5318, 64.6931, 64.1617



58.5077, 64.6931, 70.1685



59.4902, 64.6931, 77.1146

# Sweetspot

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



64.5714, 64.6959, 70.7132



92.8570, 96.5541, 105.2708



64.7113, 64.5720, 79.5747



19.8982, 20.7026, 22.5704



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.



64.5714, 64.6959, 70.7132



84.6225, 83.6656, 91.4878



64.9050, 66.3500, 67.7820



13.8628, 13.7628, 15.0478



18.4443, 9.4447, 3.7397



1.3158, 0.6696, 0.4561



# Inverse Universe

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



64.5714, 64.6959, 70.7132



84.6225, 83.6656, 91.4878



64.5298, 69.7444, 80.5826



13.8628, 13.7628, 15.0478



18.4443, 9.4447, 3.7397

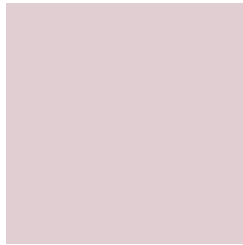


1.3158, 0.6696, 0.4561



# Previews

## White Background



This preview shows how the XYZ color 64.5696, 64.6931, 70.7118 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

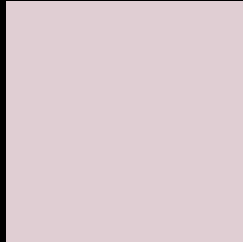
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.5696, 64.6931, 70.7118 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

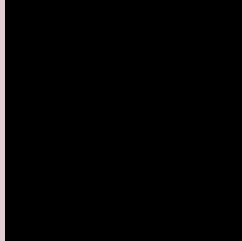
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 64.5696, 64.6931, 70.7118

## Background



This preview shows how black text looks on a background with the XYZ color 64.5696, 64.6931, 70.7118.



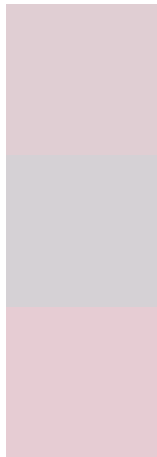
This preview shows how white text looks on a background with the XYZ color 64.5696, 64.6931,

70.7118.

# 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

64.5696, 64.6931, 70.7118

### Protanopia

62.2513, 64.5512, 72.1294

### Deuteranopia

65.9839, 64.7119, 70.6409



## Tritanopia

65.9338, 64.8907, 77.4567

# Trichromacy



## Original Color

64.5696, 64.6931, 70.7118

## Protanomaly

63.0548, 64.6169, 71.4363

## Deuteranomaly

65.5841, 64.8598, 70.6905

## Tritanomaly

65.4070, 64.6799, 74.6828

# Monochromacy



## Original Color

64.5696, 64.6931, 70.7118

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

63.2492, 65.4456, 71.5860

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.5696, 64.6931, 70.7118 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(224, 206, 211) looks like.

```
.text, #text, p{  
    color:rgb(224, 206, 211)  
}
```

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(224, 206, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 206, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 64.5696, 64.6931, 70.7118 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(224, 206, 211) }
```



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

```
.border{ border-color:rgb(224, 206, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 206, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 206, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 206, 211);  
box-shadow:4px 4px 4px 4px rgb(224, 206,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.5696, 64.6931, 70.7118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 206, 211) }
```

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

```
.background{ background-color: rgb(224,  
206, 211) }
```

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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