

# Converting Colors

XYZ(66.4512, 68.1396, 68.0438)

Have a look what the booklet for  
XYZ(66.4512, 68.1396, 68.0438)  
contains.

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# Color

**XYZ(66.6134, 68.3756,  
68.0794)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E3D5CE
RGB	227, 213, 206
RGB Percent	89%, 84%, 81%
CMY	0.1098, 0.1647, 0.1922
CMYK	0.00, 0.06, 0.09, 0.11
HSL	20°, 27%, 85%
HSV	20°, 9%, 89%
XYZ	66.6134, 68.3756, 68.0794
YIQ	216.3880, 10.5910, 0.7910

# Conversions

## Conversions Part 2

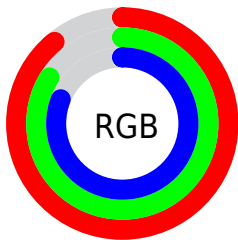
Format	Color
RYP	227, 217, 206
Decimal	14931406
CIE Lab	86.19, 3.64, 5.18
CIE LCh	86, 6.328, 54.882
Yxy	68.3756, 0.3280, 0.3367
Android (android.graphics.Color)	4293121486 (0xFFE3D5CE)
YUV	216.3880, -5.1213, 9.3067
Hunter-Lab	82.6895, -0.9099, 9.0684

# Details

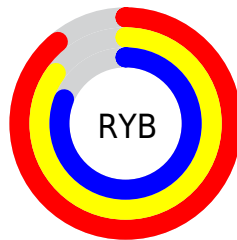
The XYZ color **66.6134, 68.3756, 68.0794** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.9118, 69.8531, 82.7357**, and the grayscale version is **65.5652, 68.9797, 75.1189**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.9076, 35.4914, 34.7165** is the 20% darker color. If you saturate the color by 10%, you get **60.4234, 60.0942, 53.3791**, and if you desaturate by 10%, it is **73.5606, 77.5324, 84.9987**.

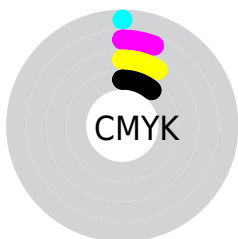
# Distribution



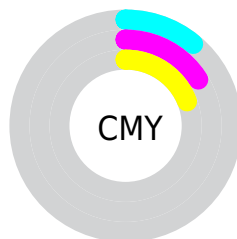
- Red (89%)
- Green (84%)
- Blue (81%)



- Red (89%)
- Yellow (85%)
- Blue (81%)



- Cyan (0%)
- Magenta (6%)
- Yellow (9%)
- Black (11%)



- Cyan (11%)
- Magenta (16%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6134, 68.3756, 68.0794 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 66.6134, 68.3756, 68.0794 by changing the saturation by 10% instead.



66.6134, 68.3756,  
68.0794

66.6134, 68.3756,  
68.0794

438.0216,  
454.8256, 472.3830

49.0401, 50.2034,  
49.4952

113.4191,  
116.8893, 118.1210

34.8659, 35.5750,  
34.6441

143.3822,  
147.9996, 150.4155

23.7256, 24.1061,  
23.1075

178.2060,  
184.1913, 188.1173

15.2539, 15.4124,  
14.4669

218.2557,  
225.8489, 231.6448

9.0852, 9.1093,  
8.3036

263.8968,  
273.3567, 281.4165

4.8544, 4.8126,  
4.1993

315.4945,

2.1959, 2.1377,

327.0992, 337.8511

1.7353

373.4143,  
387.4607, 401.3671

■ 0.7406, 0.6857,  
0.3848

■ 0.0000, 0.0000,  
0.0000

■ 66.6134, 68.3756,  
68.0794

■ 66.6134, 68.3756,  
68.0794

■ 60.4234, 60.0942,  
53.3791

■ 73.5606, 77.5324,  
84.9987

■ 54.9582, 52.6530,  
40.8006

■ 81.2845, 87.5806,  
104.2198

■ 50.1914, 46.0277,  
30.2461

■ 85.4889, 95.0711,  
108.4525

■ 46.0928, 40.1891,  
21.6083

■ 42.6296, 35.1064,  
14.7698

■ 39.7660, 30.7466,  
9.6002

■ 37.4624, 27.0737,  
5.9513

■ 35.6728, 24.0483,  
3.6478

■ 34.3312, 21.6207,  
2.4126

# Harmonies

## Analogous

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



67.5629, 68.3756, 71.1253



66.6134, 68.3756, 68.0794



65.2391, 68.3756, 66.7429

# Triad

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



66.6134, 68.3756, 68.0794



62.2392, 68.3756, 73.7362



66.1745, 68.3756, 81.9653

# Complementary

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



66.6134, 68.3756, 68.0794



64.9118, 69.8531, 82.7357

# 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.



64.7395, 68.3756, 82.7274



66.6134, 68.3756, 68.0794



62.4812, 68.3756, 77.8755

# Square

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



66.6134, 68.3756, 68.0794



62.7249, 68.3756, 69.9300



63.3911, 68.3756, 81.2049



67.3068, 68.3756, 79.1594



# Rectangle

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



66.6134, 68.3756, 68.0794



64.2723, 68.3756, 66.9635



63.3911, 68.3756, 81.2049



65.7109, 68.3756, 82.4734

# Sweetspot

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



66.6153, 68.3786, 68.0809



92.2376, 96.3070, 102.0068



66.6690, 65.6418, 76.8673



19.5851, 20.4062, 21.4491



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

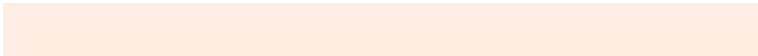


# Same Dimension

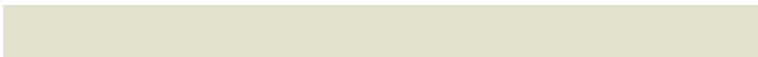
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.6153, 68.3786, 68.0809



85.1817, 86.9702, 84.9342



69.3415, 73.8310, 68.9896



14.7678, 15.1494, 15.0502



20.0666, 12.7073, 1.3951



1.5658, 1.1050, 0.1308

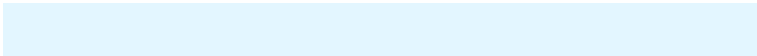


# Inverse Universe

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



64.9118, 69.8531, 82.7357



82.5606, 89.2383, 107.4811



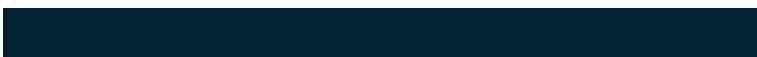
62.2430, 64.5155, 81.8461



14.3813, 15.4840, 18.3751



14.6790, 16.4201, 44.7789

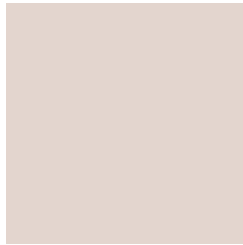


1.1693, 1.3825, 3.3372



# Previews

## White Background



This preview shows how the XYZ color 66.6134, 68.3756, 68.0794 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

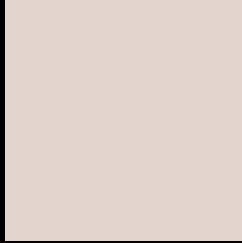
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.6134, 68.3756, 68.0794 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

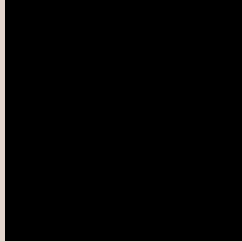
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 66.6134, 68.3756, 68.0794

## Background



This preview shows how black text looks on a background with the XYZ color 66.6134, 68.3756, 68.0794.



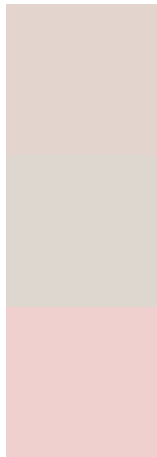
This preview shows how white text looks on a background with the XYZ color 66.6134, 68.3756,



# 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

66.6134, 68.3756, 68.0794

### Protanopia

65.6871, 68.6355, 68.8174

### Deuteranopia

69.7535, 68.1420, 68.5078



## Tritanopia

69.4072, 68.4072, 81.4973

# Trichromacy



## Original Color

66.6134, 68.3756, 68.0794

## Protanomaly

66.0495, 68.4454, 68.7616

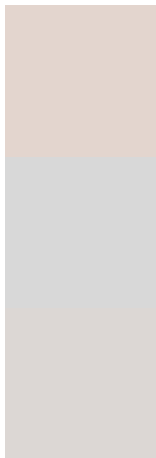
## Deuteranomaly

68.5700, 68.2603, 68.5930

## Tritanomaly

68.3935, 68.3610, 76.6081

# Monochromacy



## Original Color

66.6134, 68.3756, 68.0794

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

65.6993, 68.5700, 72.0600

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.6134, 68.3756, 68.0794 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(227, 213, 206) looks like.

```
.text, #text, p{  
    color:rgb(227, 213, 206)  
}
```

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(227, 213, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 213, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 66.6134, 68.3756, 68.0794 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(227, 213, 206) }
```



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

```
.border{ border-color:rgb(227, 213, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 213, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 213, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 213, 206); box-shadow:4px 4px 4px 4px rgb(227, 213, 206) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.6134, 68.3756, 68.0794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 213, 206) }
```

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

```
.background{ background-color: rgb(227,  
213, 206) }
```

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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