

# Converting Colors

XYZ(66.1951, 68.9458, 68.1099)

Have a look what the booklet for  
XYZ(66.1951, 68.9458, 68.1099)  
contains.

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# Color

**XYZ(66.1815, 68.9044,  
68.2043)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0D7CE
RGB	224, 215, 206
RGB Percent	88%, 84%, 81%
CMY	0.1216, 0.1568, 0.1922
CMYK	0.00, 0.04, 0.08, 0.12
HSL	30°, 23%, 84%
HSV	30°, 8%, 88%
XYZ	66.1815, 68.9044, 68.2043
YIQ	216.6650, 8.2530, -0.8910

# Conversions

## Conversions Part 2

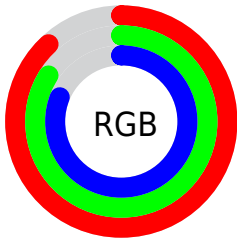
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 224, 206
Decimal	14735310
CIE <sub>Lab</sub>	86.46, 1.55, 5.52
CIE <sub>LCh</sub>	86, 5.736, 74.371
Yxy	68.9044, 0.3256, 0.3389
Android (android.graphics.Color)	4292925390 (0xFFE0D7CE)
YUV	216.6650, -5.2578, 6.4328
Hunter-Lab	83.0087, -2.9500, 9.3903

# Details

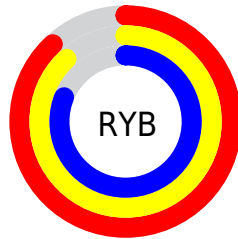
The XYZ color **66.1815, 68.9044, 68.2043** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.2085, 67.1035, 80.1426**, and the grayscale version is **65.7565, 69.1810, 75.3381**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.6005, 35.8436, 34.8006** is the 20% darker color. If you saturate the color by 10%, you get **60.8986, 62.3871, 53.9609**, and if you desaturate by 10%, it is **72.0512, 75.9730, 84.5583**.

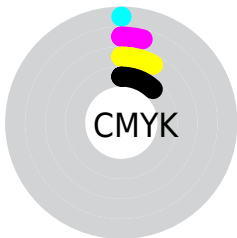
# Distribution



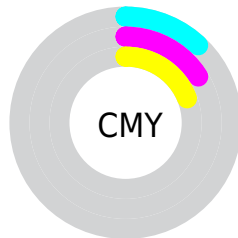
- Red (88%)
- Green (84%)
- Blue (81%)



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



- Cyan (0%)
- Magenta (4%)
- Yellow (8%)
- Black (12%)



- Cyan (12%)
- Magenta (16%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1815, 68.9044, 68.2043 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 66.1815, 68.9044, 68.2043 by changing the saturation by 10% instead.



■ 66.1815, 68.9044,  
68.2043

■ 66.1815, 68.9044,  
68.2043

436.5041,  
456.6937, 472.8372

■ 48.6880, 50.6339,  
49.5962

112.8031,  
117.6450, 118.3013

■ 34.5856, 35.9173,  
34.7238

142.6619,  
148.8839, 150.6274

■ 23.5088, 24.3703,  
23.1683

177.3731,  
185.2143, 188.3632

■ 15.0924, 15.6086,  
14.5114

217.3023,  
227.0207, 231.9273

■ 8.9710, 9.2476,  
8.3344

262.8145,  
274.6874, 281.7382

■ 4.7792, 4.9030,  
4.2188

314.2754,

■ 2.1517, 2.1905,

328.5989, 338.2144

1.7461

372.0501,  
389.1396, 401.7746

■ 0.7171, 0.7148,  
0.3921

■ 0.0000, 0.0000,  
0.0000

■ 66.1815, 68.9044,  
68.2043

■ 66.1815, 68.9044,  
68.2043

■ 60.8986, 62.3871,  
53.9609

■ 72.0512, 75.9730,  
84.5583

■ 56.1767, 56.3979,  
41.7365

■ 78.5210, 83.5977,  
103.1006

■ 51.9960, 50.9247,  
31.4390

■ 82.5401, 90.5660,  
107.7384

■ 48.3336, 45.9518,  
22.9677

■ 84.5508, 94.5875,  
108.4086

■ 45.1646, 41.4623,  
16.2125

■ 42.4616, 37.4383,  
11.0512

■ 40.1940, 33.8601,  
7.3452

■ 38.3264, 30.7059,  
4.9317

■ 36.8105, 27.9482,  
3.5808

# Harmonies

## Analogous

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



67.3328, 68.9044, 70.0292



66.1815, 68.9044, 68.2043



64.8602, 68.9044, 68.1654

# Triad

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



66.1815, 68.9044, 68.2043



63.0503, 68.9044, 76.8540



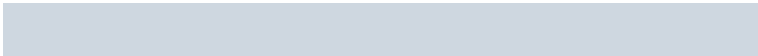
67.2925, 68.9044, 80.3720

# Complementary

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



66.1815, 68.9044, 68.2043



63.2085, 67.1035, 80.1426

# 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.



66.1271, 68.9044, 82.3304



66.1815, 68.9044, 68.2043



63.6842, 68.9044, 80.2533

# Square

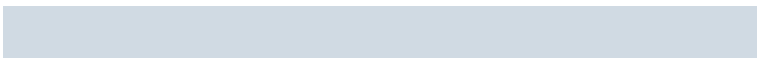
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.1815, 68.9044, 68.2043



63.0645, 68.9044, 73.0733



64.8064, 68.9044, 82.2863



67.9801, 68.9044, 77.0115



# Rectangle

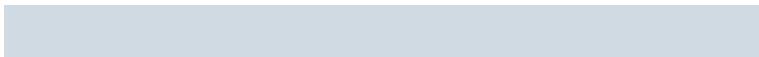
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.1815, 68.9044, 68.2043



64.0613, 68.9044, 69.1527



64.8064, 68.9044, 82.2863



66.9429, 68.9044, 81.2211

# Sweetspot

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



66.1834, 68.9074, 68.2058



93.4319, 98.0604, 104.3634



65.0784, 64.8972, 73.3873



20.0153, 21.0094, 22.3856



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

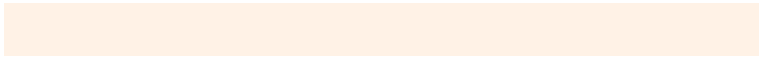


# Same Dimension

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



66.1834, 68.9074, 68.2058



87.2811, 90.6017, 87.3830



68.5375, 73.6157, 68.9905



14.2709, 14.8277, 14.4167



21.3841, 16.2061, 2.0010

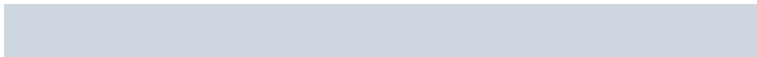


1.5718, 1.3024, 0.1685

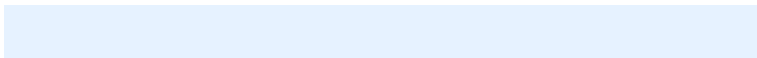


# Inverse Universe

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



63.2085, 67.1035, 80.1426



82.3478, 87.6102, 107.1780



60.9805, 62.6473, 79.3999



13.5152, 14.3694, 17.4489



11.3160, 10.1015, 42.4017

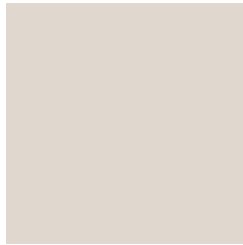


0.8739, 0.8793, 2.9689



# Previews

## White Background



This preview shows how the XYZ color 66.1815, 68.9044, 68.2043 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

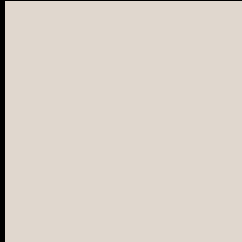
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.1815, 68.9044, 68.2043 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

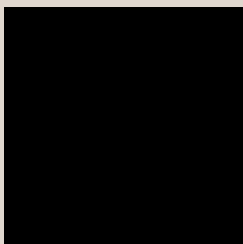
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

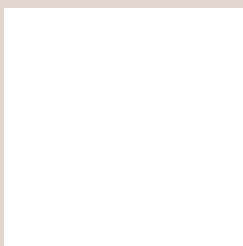
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 66.1815, 68.9044, 68.2043

## Background



This preview shows how black text looks on a background with the XYZ color 66.1815, 68.9044, 68.2043.



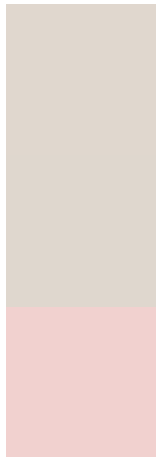
This preview shows how white text looks on a background with the XYZ color 66.1815, 68.9044,



# 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

66.1815, 68.9044, 68.2043

### Protanopia

65.8724, 68.7451, 68.1898

### Deuteranopia

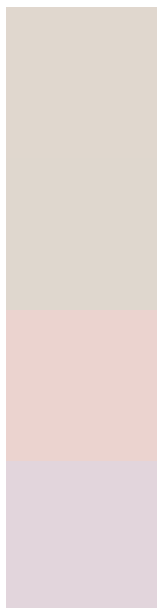
70.3386, 68.8067, 68.6053



## Tritanopia

69.2256, 69.0193, 83.0723

# Trichromacy



## Original Color

66.1815, 68.9044, 68.2043

## Protanomaly

65.8724, 68.7451, 68.1898

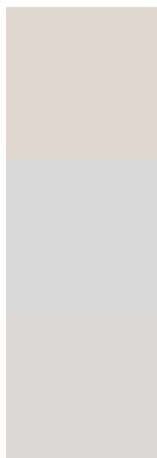
## Deuteranomaly

68.8177, 68.7557, 68.6756

## Tritanomaly

68.0765, 68.9246, 77.4259

# Monochromacy



## Original Color

66.1815, 68.9044, 68.2043

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

66.0813, 69.1315, 72.8116

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.1815, 68.9044, 68.2043 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, 215, 206) looks like.

```
.text, #text, p{  
    color:rgb(224, 215, 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(224, 215, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 215, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 66.1815, 68.9044, 68.2043 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, 215, 206) }
```



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

```
.border{ border-color:rgb(224, 215, 206) }
```

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

Here you see how a box with a 4 pixel rgb(224, 215, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 215, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 215, 206);  
box-shadow:4px 4px 4px 4px rgb(224, 215,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.1815, 68.9044, 68.2043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 215, 206) }
```

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

```
.background{ background-color: rgb(224,  
215, 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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