

Converting Colors

XYZ(67.8200, 73.6468, 51.6299)

Have a look what the booklet for
XYZ(67.8200, 73.6468, 51.6299)
contains.

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Color

**XYZ(67.7708, 73.6017,
51.7089)**

Conversions

Conversions Part 1

Format	Color
Hex	E8E0B0
RGB	232, 224, 176
RGB Percent	91%, 88%, 69%
CMY	0.0902, 0.1215, 0.3098
CMYK	0.00, 0.03, 0.24, 0.09
HSL	51°, 55%, 80%
HSV	51°, 24%, 91%
XYZ	67.7708, 73.6017, 51.7089
YIQ	220.9200, 20.1760, -13.2320

Conversions

Conversions Part 2

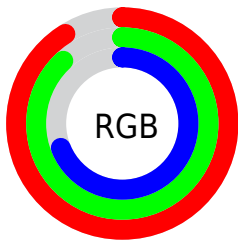
Format	Color
RYB	185, 232, 176
Decimal	15261872
CIELab	88.73, -4.75, 24.54
CIELCh	89, 24.993, 100.958
Yxy	73.6017, 0.3510, 0.3812
Android (android.graphics.Color)	4293451952 (0xFFE8E0B0)
YUV	220.9200, -22.1456, 9.7172
Hunter-Lab	85.7914, -9.1292, 24.3183

Details

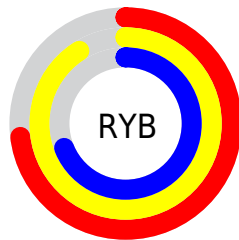
The XYZ color **67.7708, 73.6017, 51.7089** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.6102, 49.3360, 83.2522**, and the grayscale version is **68.8133, 72.3969, 78.8403**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **35.6676, 39.0361, 24.3937** is the 20% darker color. If you saturate the color by 10%, you get **64.7879, 71.0006, 40.3411**, and if you desaturate by 10%, it is **71.1672, 76.4010, 65.1518**.

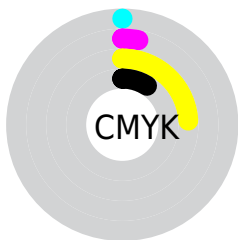
Distribution



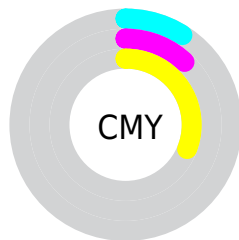
- Red (91%)
- Green (88%)
- Blue (69%)



- Red (73%)
- Yellow (91%)
- Blue (69%)



- Cyan (0%)
- Magenta (3%)
- Yellow (24%)
- Black (9%)



- Cyan (9%)
- Magenta (12%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7708, 73.6017, 51.7089 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 67.7708, 73.6017, 51.7089 by changing the saturation by 10% instead.

67.7708, 73.6017,
51.7089

67.7708, 73.6017,
51.7089

442.0730,
473.0976, 410.2367

49.9843, 54.4681,
36.3925

115.0679,
124.3310, 94.1240

35.6187, 38.9760,
24.4454

145.3092,
156.6956, 122.0597

24.3086, 26.7411,
15.4491

180.4328,
194.2392, 155.0390

15.6886, 17.3789,
8.9850

220.8041,
237.3463, 193.4802

9.3935, 10.5050,
4.6347

266.7884,
286.4013, 237.8021

5.0579, 5.7350,
1.9796

318.7511,

2.3164, 2.6846,

341.7886, 288.4231

0.5427

377.0575,
403.8925, 345.7618

■ 0.8030, 0.9694,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.7708, 73.6017,
51.7089

■ 67.7708, 73.6017,
51.7089

■ 64.7879, 71.0006,
40.3411

■ 71.1672, 76.4010,
65.1518

■ 62.1928, 68.5796,
30.9385

■ 74.9900, 79.3963,
80.7626

■ 59.9655, 66.3333,
23.3886

■ 79.2586, 82.5979,
98.6344

■ 58.0820, 64.2517,
17.5651

■ 81.6866, 85.0915,
106.7267

■ 56.5154, 62.3240,
13.3263

■ 82.6558, 87.0299,
107.0498

■ 55.2343, 60.5374,
10.5077

■ 83.6429, 89.0040,
107.3788

■ 54.2004, 58.8766,
8.9091

■ 84.6478, 91.0139,
107.7138

■ 53.6746, 57.9474,
8.3560

■ 85.6707, 93.0597,
108.0547

■ 86.7118, 95.1418,
108.4017

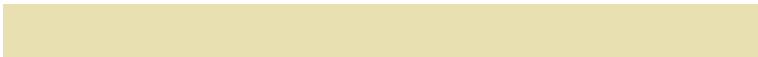
Harmonies

Analogous

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



73.8159, 73.6017, 52.6209



67.7708, 73.6017, 51.7089



62.6131, 73.6017, 57.5453

Triad

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



67.7708, 73.6017, 51.7089



61.5434, 73.6017, 103.9907



81.5241, 73.6017, 91.4941

Complementary

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



67.7708, 73.6017, 51.7089



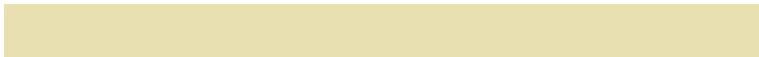
49.6102, 49.3360, 83.2522

Split Complementary

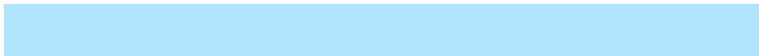
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8521, 73.6017, 107.9874



67.7708, 73.6017, 51.7089



66.2334, 73.6017, 115.8892

Square

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



67.7708, 73.6017, 51.7089



59.1579, 73.6017, 86.6328



72.1881, 73.6017, 117.4489



81.9945, 73.6017, 73.9795

Rectangle

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



67.7708, 73.6017, 51.7089



60.2820, 73.6017, 65.0470



72.1881, 73.6017, 117.4489



80.6137, 73.6017, 97.4032

Sweetspot

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



67.7727, 73.6050, 51.7105



91.5004, 97.2881, 94.1916



57.4984, 51.6848, 52.5141



19.5221, 20.7749, 19.9033



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.



67.7727, 73.6050, 51.7105



82.0697, 89.5664, 56.7055



63.9604, 74.9048, 52.1623



15.4170, 16.4479, 15.2667



29.8691, 32.3123, 4.6626



2.2555, 2.4843, 0.3606

Inverse Universe

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



49.6102, 49.3360, 83.2522



55.8813, 54.5768, 102.1969



52.7526, 48.5600, 82.9368



13.7480, 14.2174, 18.1640



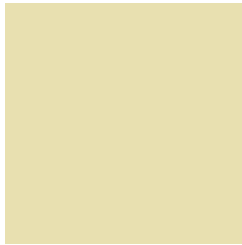
8.4442, 3.9506, 42.7006



0.6766, 0.3971, 3.1730

Previews

White Background



This preview shows how the XYZ color 67.7708, 73.6017, 51.7089 looks on a white background.

Color Contrast Check

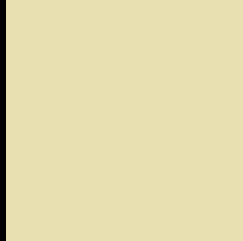
Large Text (above 18pt) WCAG AA × Fail

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 67.7708, 73.6017, 51.7089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

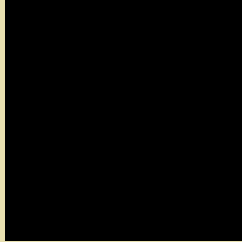
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

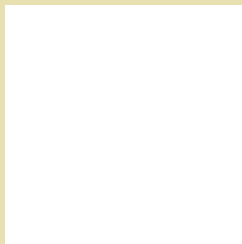
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7708, 73.6017, 51.7089

Background



This preview shows how black text looks on a background with the XYZ color 67.7708, 73.6017, 51.7089.



This preview shows how white text looks on a background with the XYZ color 67.7708, 73.6017,

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

67.7708, 73.6017, 51.7089

Protanopia

68.7842, 73.3422, 51.0886

Deuteranopia

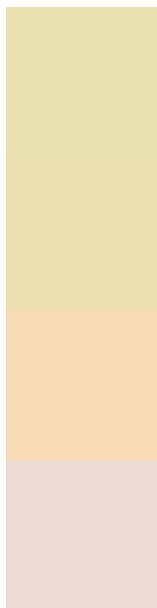
74.2974, 73.3637, 56.1436



Tritanopia

74.8605, 73.3456, 87.3023

Trichromacy



Original Color

67.7708, 73.6017, 51.7089

Protanomaly

68.3865, 73.5327, 51.1463

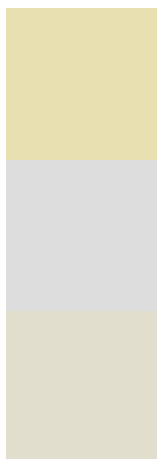
Deuteranomaly

71.8727, 73.2944, 54.6151

Tritanomaly

71.8073, 73.2494, 72.6412

Monochromacy



Original Color

67.7708, 73.6017, 51.7089

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.1921, 72.6579, 68.1879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7708, 73.6017, 51.7089 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(232, 224, 176) looks like.

```
.text, #text, p{  
    color:rgb(232, 224, 176)  
}
```

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(232, 224, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 224, 176) }
```

Border

The CSS property to change the border of an element to XYZ 67.7708, 73.6017, 51.7089 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(232, 224, 176) }
```


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

```
.border{ border-color:rgb(232, 224, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 224, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 224, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 224, 176);  
box-shadow:4px 4px 4px 4px rgb(232, 224,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7708, 73.6017, 51.7089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 224, 176) }
```

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

```
.background{ background-color: rgb(232,  
224, 176) }
```

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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