

Converting Colors

XYZ(67.5128, 72.0653, 53.8323)

Have a look what the booklet for
XYZ(67.5128, 72.0653, 53.8323)
contains.

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Color

**XYZ(67.8012, 72.3727,
54.1119)**

Conversions

Conversions Part 1

Format	Color
Hex	E9DDB5
RGB	233, 221, 181
RGB Percent	91%, 87%, 71%
CMY	0.0863, 0.1333, 0.2902
CMYK	0.00, 0.05, 0.22, 0.09
HSL	46°, 54%, 81%
HSV	46°, 22%, 91%
XYZ	67.8012, 72.3727, 54.1119
YIQ	220.0280, 19.9920, -9.8960

Conversions

Conversions Part 2

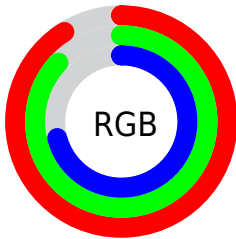
Format	Color
R _{YB}	197, 233, 181
Decimal	15326645
CIE Lab	88.15, -2.16, 21.15
CIE LCh	88, 21.256, 95.825
Yxy	72.3727, 0.3490, 0.3725
Android (android.graphics.Color)	4293516725 (0xFFE9DDB5)
YUV	220.0280, -19.2408, 11.3764
Hunter-Lab	85.0721, -6.6145, 21.8379

Details

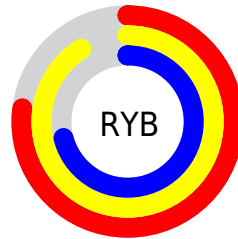
The XYZ color **67.8012, 72.3727, 54.1119** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.8338, 53.8456, 84.6998**, and the grayscale version is **68.1689, 71.7190, 78.1020**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **35.6640, 38.1781, 25.9115** is the 20% darker color. If you saturate the color by 10%, you get **64.2118, 68.7050, 42.0904**, and if you desaturate by 10%, it is **71.8397, 76.2977, 68.2574**.

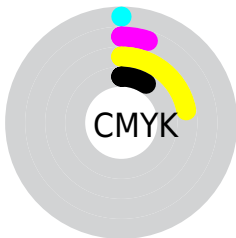
Distribution



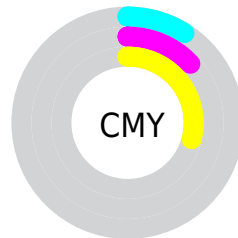
- Red (91%)
- Green (87%)
- Blue (71%)



- Red (77%)
- Yellow (91%)
- Blue (71%)



- Cyan (0%)
- Magenta (5%)
- Yellow (22%)
- Black (9%)



- Cyan (9%)
- Magenta (13%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8012, 72.3727, 54.1119 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 67.8012, 72.3727, 54.1119 by changing the saturation by 10% instead.

67.8012, 72.3727,
54.1119

67.8012, 72.3727,
54.1119

442.1791,
468.8378, 419.7233

50.0091, 53.4632,
38.2973

115.1112,
122.5863, 97.6966

35.6385, 38.1727,
25.9099

145.3598,
154.6591, 126.3038

24.3239, 26.1167,
16.5311

180.4912,
191.8885, 160.0123

15.7001, 16.9110,
9.7423

220.8709,
234.6589, 199.2407

9.4017, 10.1710,
5.1251

266.8642,
283.3546, 244.4074

5.0633, 5.5125,
2.2608

318.8364,

2.3196, 2.5510,

338.3600, 295.9310

0.7091

377.1529,
400.0597, 354.2301

■ 0.8047, 0.9021,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.8012, 72.3727,
54.1119

■ 67.8012, 72.3727,
54.1119

■ 64.2118, 68.7050,
42.0904

■ 71.8397, 76.2977,
68.2574

■ 61.0455, 65.2761,
32.0836

■ 76.3406, 80.4786,
84.6198

■ 58.2823, 62.0797,
23.9791

■ 81.3234, 84.9262,
103.2920

■ 55.8979, 59.1055,
17.6519

■ 83.5570, 88.3488,
107.2568

■ 53.8654, 56.3421,
12.9618

■ 85.1848, 91.6044,
107.7994

■ 52.1537, 53.7762,
9.7474

■ 86.8600, 94.9548,
108.3578

■ 50.7254, 51.3921,
7.8142

■ 87.4144, 96.0637,
108.5427

■ 49.7754, 49.6656,
6.9630

Harmonies

Analogous

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



72.8677, 72.3727, 55.9297



67.8012, 72.3727, 54.1119



63.2260, 72.3727, 58.2200

Triad

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



67.8012, 72.3727, 54.1119



61.1658, 72.3727, 96.3418



78.0929, 72.3727, 90.8263

Complementary

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



67.8012, 72.3727, 54.1119



52.8338, 53.8456, 84.6998

Split Complementary

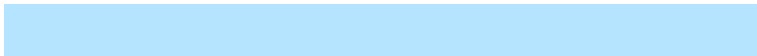
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.6672, 72.3727, 103.7386



67.8012, 72.3727, 54.1119



64.8636, 72.3727, 107.1874

Square

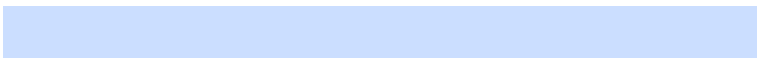
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.8012, 72.3727, 54.1119



59.5181, 72.3727, 81.6758



69.7845, 72.3727, 110.0481



78.9739, 72.3727, 75.9956

Rectangle

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



67.8012, 72.3727, 54.1119



61.0167, 72.3727, 64.1044



69.7845, 72.3727, 110.0481



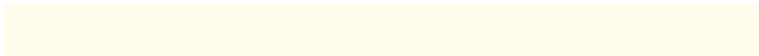
77.1928, 72.3727, 95.5892

Sweetspot

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



67.8031, 72.3759, 54.1134



91.0085, 96.3041, 94.0276



59.7694, 54.2285, 57.8480



19.4079, 20.5464, 19.8652



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.



67.8031, 72.3759, 54.1134



81.0200, 86.6137, 58.9859



66.7336, 76.6953, 55.0035



16.0403, 17.0035, 15.9553



28.3419, 28.3781, 3.9837



2.2971, 2.3714, 0.3367

Inverse Universe

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



52.8338, 53.8456, 84.6998



59.4642, 59.9339, 103.0421



53.7039, 50.5163, 84.0113



14.5131, 15.1127, 19.0744



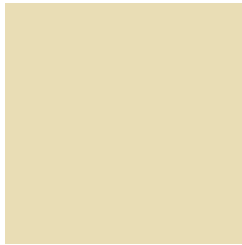
9.1652, 4.9775, 44.2206



0.7911, 0.5337, 3.4962

Previews

White Background



This preview shows how the XYZ color 67.8012, 72.3727, 54.1119 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 67.8012, 72.3727, 54.1119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

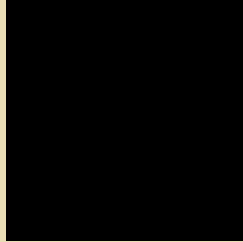
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.8012, 72.3727, 54.1119

Background



This preview shows how black text looks on a background with the XYZ color 67.8012, 72.3727, 54.1119.

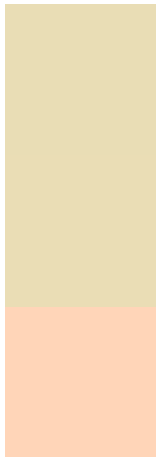


This preview shows how white text looks on a background with the XYZ color 67.8012, 72.3727,

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

67.8012, 72.3727, 54.1119

Protanopia

68.1286, 72.5415, 54.1272

Deuteranopia

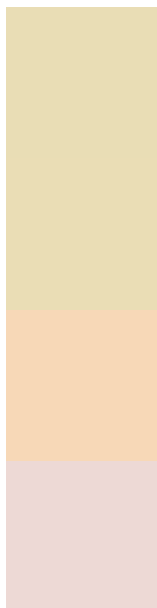
73.6860, 72.3092, 55.4208



Tritanopia

74.0670, 72.2134, 85.6361

Trichromacy



Original Color

67.8012, 72.3727, 54.1119

Protanomaly

68.1286, 72.5415, 54.1272

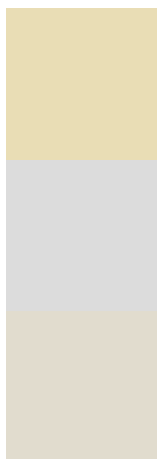
Deuteranomaly

71.4609, 72.3048, 54.9896

Tritanomaly

71.7481, 72.4343, 73.1505

Monochromacy



Original Color

67.8012, 72.3727, 54.1119

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.7851, 71.6502, 68.6497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8012, 72.3727, 54.1119 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(233, 221, 181)` looks like.

```
.text, #text, p{  
    color:rgb(233, 221, 181)  
}
```

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(233, 221, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 221, 181) }
```

Border

The CSS property to change the border of an element to XYZ 67.8012, 72.3727, 54.1119 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(233, 221, 181) }
```


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

```
.border{ border-color:rgb(233, 221, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 221, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 221, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 221, 181);  
box-shadow:4px 4px 4px 4px rgb(233, 221,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8012, 72.3727, 54.1119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 221, 181) }
```

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

```
.background{ background-color: rgb(233,  
221, 181) }
```

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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