

Converting Colors

XYZ(49.8493, 57.1971, 27.0887)

Have a look what the booklet for
XYZ(49.8493, 57.1971, 27.0887)
contains.

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Color

**XYZ(50.0699, 57.4532,
27.1895)**

Conversions

Conversions Part 1

Format	Color
Hex	CCCC7B
RGB	204, 204, 123
RGB Percent	80%, 80%, 48%
CMY	0.2000, 0.2000, 0.5176
CMYK	0.00, 0.00, 0.40, 0.20
HSL	60°, 44%, 64%
HSV	60°, 40%, 80%
XYZ	50.0699, 57.4532, 27.1895
YIQ	194.7660, 26.0010, -25.1910

Conversions

Conversions Part 2

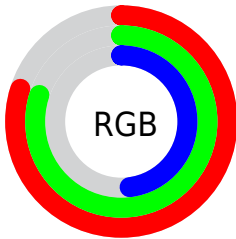
Format	Color
RYB	123, 204, 123
Decimal	13421691
CIELab	80.43, -11.85, 40.32
CIElCh	80, 42.026, 106.375
Yxy	57.4532, 0.3717, 0.4265
Android (android.graphics.Color)	4291611771 (0xFFCCCC7B)
YUV	194.7660, -35.3806, 8.0982
Hunter-Lab	75.7979, -14.7344, 31.7906

Details

The XYZ color **50.0699, 57.4532, 27.1895** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.1525, 22.7379, 60.1406**, and the grayscale version is **51.9268, 54.6310, 59.4932**.

A 20% lighter version of the original color is **84.9358, 95.9543, 55.6394**, and **24.2888, 28.5765, 10.3665** is the 20% darker color. If you saturate the color by 10%, you get **48.9239, 56.9968, 21.1503**, and if you desaturate by 10%, it is **51.4849, 58.0213, 34.6326**.

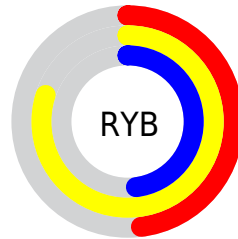
Distribution



Red (80%)

Green (80%)

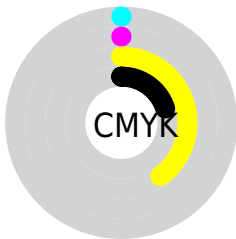
Blue (48%)



Red (48%)

Yellow (80%)

Blue (48%)

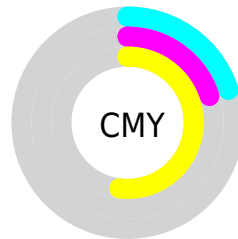


Cyan (0%)

Magenta (0%)

Yellow (40%)

Black (20%)



Cyan (20%)

Magenta (20%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0699, 57.4532, 27.1895 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 50.0699, 57.4532, 27.1895 by changing the saturation by 10% instead.

■ 50.0699, 57.4532,
27.1895

■ 50.0699, 57.4532,
27.1895

377.3867,
415.1453, 302.3626

■ 35.6870, 41.3692,
17.4819

■ 89.4696, 101.1262,
56.1952

■ 24.3615, 28.6077,
10.4131

■ 115.2172,
129.4839, 76.3304

■ 15.7282, 18.7842,
5.5645

■ 145.4836,
162.7017, 100.7786

■ 9.4217, 11.5145,
2.5177

180.6343,
201.1640, 129.9583

■ 5.0765, 6.4140,
0.8495

221.0346,
245.2551, 164.2880

■ 2.3274, 3.0984,
0.0000

267.0498,

■ 0.8087, 1.1833,

295.3594, 204.1862

0.0000

319.0454,
351.8614, 250.0716

■ 0.0000, 0.0480,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.0699, 57.4532,
27.1895

■ 50.0699, 57.4532,
27.1895

■ 48.9239, 56.9968,
21.1503

■ 51.4849, 58.0213,
34.6326

■ 48.0259, 56.6376,
16.4238

■ 53.1799, 58.6993,
43.5562

■ 47.3589, 56.3707,
12.9134

■ 55.1703, 59.4955,
54.0356

■ 46.9018, 56.1878,
10.5080

■ 57.4693, 60.4152,
66.1400

■ 46.6295, 56.0789,
9.0761

■ 60.0892, 61.4632,
79.9343

■ 46.4971, 56.0259,
8.3806

■ 63.0417, 62.6442,
95.4801

■ 46.4938, 56.0245,
8.3633

■ 64.5486, 63.2470,
103.4136

■ 64.5490, 63.2472,
103.4136

■ 64.5494, 63.2474,
103.4136

Harmonies

Analogous

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



58.6031, 57.4532, 26.8529



50.0699, 57.4532, 27.1895



43.4739, 57.4532, 35.2042

Triad

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



50.0699, 57.4532, 27.1895



43.9584, 57.4532, 103.5601



72.3383, 57.4532, 74.4102

Complementary

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



50.0699, 57.4532, 27.1895



26.1525, 22.7379, 60.1406

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.



67.4961, 57.4532, 101.3245



50.0699, 57.4532, 27.1895



50.7978, 57.4532, 120.9103

Square

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



50.0699, 57.4532, 27.1895



40.2077, 57.4532, 76.9054



59.4114, 57.4532, 119.9986



72.0905, 57.4532, 50.1140

Rectangle

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



50.0699, 57.4532, 27.1895



40.7947, 57.4532, 45.4070



59.4114, 57.4532, 119.9986



71.2318, 57.4532, 83.5579

Sweetspot

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



50.0713, 57.4558, 27.1907



90.5081, 98.1832, 84.9867



35.5619, 28.4348, 22.3538



19.2764, 20.9768, 17.6851



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.



50.0713, 57.4558, 27.1907



81.2031, 94.4609, 35.9986



40.3771, 52.4583, 26.7370



12.1538, 13.0967, 11.9668



29.2620, 35.2604, 5.2637



1.5096, 1.8191, 0.2715

Inverse Universe

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



26.1525, 22.7379, 60.1406



35.9940, 28.8404, 98.2774



33.1906, 26.3662, 60.4700



10.6019, 10.8441, 14.1047



6.8602, 2.7441, 36.1244



0.3539, 0.1416, 1.8636

Previews

White Background



This preview shows how the XYZ color 50.0699, 57.4532, 27.1895 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 50.0699, 57.4532, 27.1895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

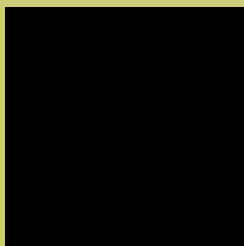
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

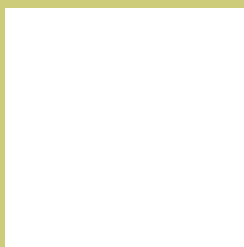
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0699, 57.4532, 27.1895

Background



This preview shows how black text looks on a background with the XYZ color 50.0699, 57.4532, 27.1895.



This preview shows how white text looks on a background with the XYZ color 50.0699, 57.4532,

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

50.0699, 57.4532, 27.1895

Protanopia

52.7881, 57.1328, 26.3347

Deuteranopia

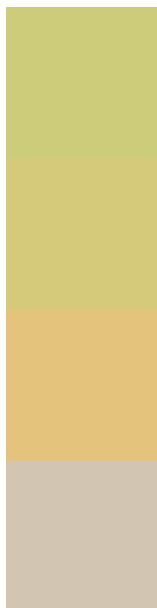
58.6723, 57.4687, 27.7389



Tritanopia

58.5320, 57.4832, 68.3320

Trichromacy



Original Color

50.0699, 57.4532, 27.1895

Protanomaly

51.8401, 57.3246, 26.7448

Deuteranomaly

55.4365, 57.4545, 27.5700

Tritanomaly

54.8083, 57.3042, 50.2916

Monochromacy



Original Color

50.0699, 57.4532, 27.1895

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.6442, 55.2585, 45.5328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0699, 57.4532, 27.1895 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(204, 204, 123)` looks like.

```
.text, #text, p{  
    color:rgb(204, 204, 123)  
}
```

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(204, 204, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 204, 123) }
```

Border

The CSS property to change the border of an element to XYZ 50.0699, 57.4532, 27.1895 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(204, 204, 123) }
```


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

```
.border{ border-color:rgb(204, 204, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 204, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 204, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 204, 123);  
box-shadow:4px 4px 4px 4px rgb(204, 204,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0699, 57.4532, 27.1895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 204, 123) }
```

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

```
.background{ background-color: rgb(204,  
204, 123) }
```

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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