

Converting Colors

XYZ(46.9293, 52.1051, 28.0067)

Have a look what the booklet for
XYZ(46.9293, 52.1051, 28.0067)
contains.

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Color

**XYZ(46.7857, 51.9778,
27.9889)**

Conversions

Conversions Part 1

Format	Color
Hex	C8C180
RGB	200, 193, 128
RGB Percent	78%, 76%, 50%
CMY	0.2157, 0.2431, 0.4980
CMYK	0.00, 0.03, 0.36, 0.22
HSL	54°, 40%, 64%
HSV	54°, 36%, 78%
XYZ	46.7857, 51.9778, 27.9889
YIQ	187.6830, 25.0370, -18.7310

Conversions

Conversions Part 2

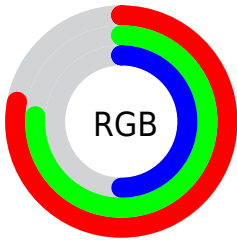
Format	Color
RYB	136, 200, 128
Decimal	13156736
CIELab	77.27, -7.23, 33.64
CIELCh	77, 34.408, 102.129
Yxy	51.9778, 0.3691, 0.4101
Android (android.graphics.Color)	4291346816 (0xFFC8C180)
YUV	187.6830, -29.4237, 10.8020
Hunter-Lab	72.0956, -10.3317, 27.4494

Details

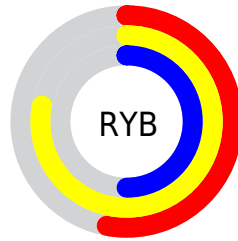
The XYZ color **46.7857, 51.9778, 27.9889** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **27.9913, 26.0866, 58.2036**, and the grayscale version is **47.7729, 50.2608, 54.7340**.

A 20% lighter version of the original color is **83.4562, 92.3476, 57.1423**, and **22.4303, 25.3260, 10.9139** is the 20% darker color. If you saturate the color by 10%, you get **45.1707, 50.6508, 21.5837**, and if you desaturate by 10%, it is **48.6685, 53.4246, 35.7647**.

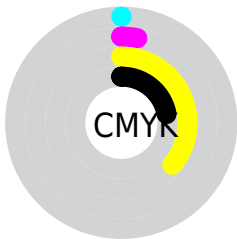
Distribution



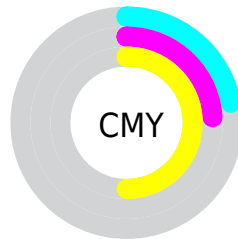
- Red (78%)
- Green (76%)
- Blue (50%)



- Red (53%)
- Yellow (78%)
- Blue (50%)



- Cyan (0%)
- Magenta (3%)
- Yellow (36%)
- Black (22%)



- Cyan (22%)
- Magenta (24%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7857, 51.9778, 27.9889 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 46.7857, 51.9778, 27.9889 by changing the saturation by 10% instead.

■ 46.7857, 51.9778,
27.9889

■ 46.7857, 51.9778,
27.9889

364.6217,
394.3509, 306.3241

■ 33.0735, 36.9874,
18.0783

■ 84.6143, 93.0985,
57.4896

■ 22.3423, 25.1977,
10.8362

■ 109.4615,
119.9976, 77.9168

■ 14.2266, 16.2244,
5.8440

■ 138.7510,
151.6350, 102.6867

■ 8.3612, 9.6831,
2.6832

172.8483,
188.3951, 132.2177

■ 4.3807, 5.1894,
0.9350

212.1186,
230.6624, 166.9284

■ 1.9197, 2.3588,
0.0000

256.9274,

■ 0.5882, 0.8046,

278.8212, 207.2373

0.0000

307.6400,
333.2559, 253.5631

■ 0.0000, 0.0000,
0.0000

■ 46.7857, 51.9778,
27.9889

■ 46.7857, 51.9778,
27.9889

■ 45.1707, 50.6508,
21.5837

■ 48.6685, 53.4246,
35.7647

■ 43.8042, 49.4304,
16.4652

■ 50.8292, 54.9898,
44.9819

■ 42.6706, 48.3121,
12.5453

■ 53.2822, 56.6811,
55.7104


■ 41.7507, 47.2882,
9.7235


■ 56.0397, 58.5033,
68.0145


■ 41.0224, 46.3498,
7.8830


■ 59.1134, 60.4611,
81.9548


 40.4577, 45.4857,
6.8771

 62.5141, 62.5589,
97.5889

 40.2558, 45.1521,
6.5935

 64.0872, 63.9349,
103.5706

 64.5597, 64.8799,
103.7281

 65.0381, 65.8365,
103.8876

Harmonies

Analogous

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



53.3992, 51.9778, 28.5821



46.7857, 51.9778, 27.9889



41.3734, 51.9778, 33.7013

Triad

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



46.7857, 51.9778, 27.9889



40.5801, 51.9778, 84.6298



62.4865, 51.9778, 68.4916

Complementary

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



46.7857, 51.9778, 27.9889



27.9913, 26.0866, 58.2036

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.



58.4104, 51.9778, 88.0398



46.7857, 51.9778, 27.9889



45.6119, 51.9778, 98.6906

Square

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



46.7857, 51.9778, 27.9889



38.0102, 51.9778, 64.5765



52.1168, 51.9778, 100.0616



62.8720, 51.9778, 49.2998

Rectangle

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



46.7857, 51.9778, 27.9889



39.0167, 51.9778, 41.2538



52.1168, 51.9778, 100.0616



61.4868, 51.9778, 75.3338

Sweetspot

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



46.7870, 51.9802, 27.9900



89.9950, 96.5968, 86.5387



35.9263, 29.4732, 26.7916



19.1389, 20.5901, 17.9828



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.



46.7870, 51.9802, 27.9900



78.8330, 88.2254, 39.8040



41.3891, 51.5477, 28.1910



11.4324, 12.2340, 11.3216



25.6326, 28.7823, 4.2046



1.2399, 1.4152, 0.2078

Inverse Universe

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



27.9913, 26.0866, 58.2036



41.6778, 37.0496, 99.5624



32.0107, 26.7571, 58.1212



10.1382, 10.4505, 13.4003



6.8120, 3.0178, 34.9678



0.3515, 0.2008, 1.6654

Previews

White Background



This preview shows how the XYZ color 46.7857, 51.9778, 27.9889 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 46.7857, 51.9778, 27.9889 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 46.7857, 51.9778, 27.9889

Background



This preview shows how black text looks on a background with the XYZ color 46.7857, 51.9778, 27.9889.



This preview shows how white text looks on a background with the XYZ color 46.7857, 51.9778,

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

46.7857, 51.9778, 27.9889

Protanopia

48.1937, 52.0593, 27.5870

Deuteranopia

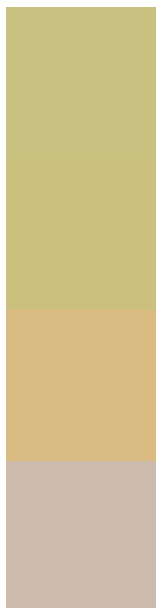
52.9577, 51.9727, 28.3596



Tritanopia

53.4617, 51.8144, 61.2163

Trichromacy



Original Color

46.7857, 51.9778, 27.9889

Protanomaly

47.5822, 52.0689, 27.6211

Deuteranomaly

50.6462, 52.0311, 28.1425

Tritanomaly

50.4900, 51.5369, 46.8217

Monochromacy



Original Color

46.7857, 51.9778, 27.9889

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.0346, 50.7866, 43.4002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7857, 51.9778, 27.9889 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(200, 193, 128)` looks like.

```
.text, #text, p{  
    color:rgb(200, 193, 128)  
}
```

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(200, 193, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 193, 128) }
```

Border

The CSS property to change the border of an element to XYZ 46.7857, 51.9778, 27.9889 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(200, 193, 128) }
```


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

```
.border{ border-color:rgb(200, 193, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 193, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 193, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 193, 128);  
box-shadow:4px 4px 4px 4px rgb(200, 193,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7857, 51.9778, 27.9889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 193, 128) }
```

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

```
.background{ background-color: rgb(200,  
193, 128) }
```

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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