

Converting Colors

XYZ(51.3084, 58.8497, 44.6116)

Have a look what the booklet for
XYZ(51.3084, 58.8497, 44.6116)
contains.

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Color

**XYZ(51.1881, 58.7163,
44.7119)**

Conversions

Conversions Part 1

Format	Color
Hex	C1CFA6
RGB	193, 207, 166
RGB Percent	76%, 81%, 65%
CMY	0.2431, 0.1882, 0.3490
CMYK	0.07, 0.00, 0.20, 0.19
HSL	80°, 30%, 73%
HSV	80°, 20%, 81%
XYZ	51.1881, 58.7163, 44.7119
YIQ	198.1400, 4.8170, -15.7190

Conversions

Conversions Part 2

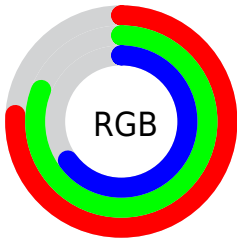
Format	Color
RYB	166, 207, 180
Decimal	12701606
CIELab	81.14, -11.89, 18.82
CIELCh	81, 22.259, 122.281
Yxy	58.7163, 0.3311, 0.3798
Android (android.graphics.Color)	4290891686 (0xFFC1CFA6)
YUV	198.1400, -15.8450, -4.5078
Hunter-Lab	76.6266, -14.8549, 19.0426

Details

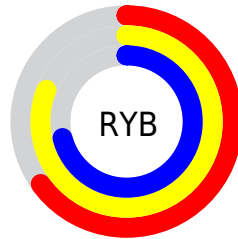
The XYZ color **51.1881, 58.7163, 44.7119** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.7235, 41.4824, 64.7371**, and the grayscale version is **53.8543, 56.6589, 61.7015**.

A 20% lighter version of the original color is **88.2355, 97.0645, 82.4914**, and **25.0760, 29.4863, 20.2894** is the 20% darker color. If you saturate the color by 10%, you get **47.6810, 57.1121, 35.4207**, and if you desaturate by 10%, it is **55.0902, 60.4923, 55.6194**.

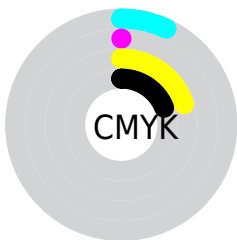
Distribution



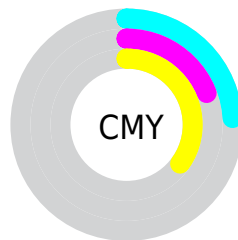
- Red (76%)
- Green (81%)
- Blue (65%)



- Red (65%)
- Yellow (81%)
- Blue (71%)



- Cyan (7%)
- Magenta (0%)
- Yellow (20%)
- Black (19%)



- Cyan (24%)
- Magenta (19%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1881, 58.7163, 44.7119 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 51.1881, 58.7163, 44.7119 by changing the saturation by 10% instead.

■ 51.1881, 58.7163,
44.7119

■ 51.1881, 58.7163,
44.7119

381.6698,
419.8498, 381.7315

■ 36.5800, 42.3848,
30.8893

■ 91.1141, 102.9652,
83.6018

■ 25.0546, 29.4027,
20.2568

■ 117.1627,
131.6514, 109.5061

■ 16.2467, 19.3857,
12.3959

147.7555,
165.2246, 140.2747

■ 9.7909, 11.9493,
6.8881

183.2578,
204.0693, 176.3262

■ 5.3217, 6.7092,
3.3148

224.0350,
248.5697, 218.0791

■ 2.4739, 3.2809,
1.2576

270.4525,

■ 0.8821, 1.2801,

299.1103, 265.9519

0.0266

322.8757,
356.0755, 320.3632

■ 0.0000, 0.1257,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.1881, 58.7163,
44.7119

■ 51.1881, 58.7163,
44.7119

■ 47.6810, 57.1121,
35.4207

■ 55.0902, 60.4923,
55.6194

■ 44.5485, 55.6657,
27.6652

■ 59.3974, 62.4385,
68.2113

■ 41.7750, 54.3725,
21.3633

■ 64.1251, 64.5632,
82.5562

■ 39.3421, 53.2251,
16.4240

■ 69.2868, 66.8717,
98.7179

■ 37.2292, 52.2151,
12.7459

■ 72.4704, 68.3995,
103.9906

■ 35.4131, 51.3330,
10.2135

■ 74.7642, 69.5820,
104.0979

■ 33.8666, 50.5679,
8.6899

■ 77.1508, 70.8124,
104.2096

■ 32.5412, 49.9001,
7.9280

■ 79.6313, 72.0911,
104.3257

■ 32.5169, 49.8878,
7.9155

■ 81.6040, 73.1081,
104.4180

Harmonies

Analogous

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



55.4545, 58.7163, 41.6941



51.1881, 58.7163, 44.7119



48.2938, 58.7163, 52.7933

Triad

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



51.1881, 58.7163, 44.7119



51.7696, 58.7163, 89.2569



65.1826, 58.7163, 62.9227

Complementary

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



51.1881, 58.7163, 44.7119



43.7235, 41.4824, 64.7371

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.



64.0640, 58.7163, 76.5368



51.1881, 58.7163, 44.7119



56.1631, 58.7163, 92.9352

Square

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



51.1881, 58.7163, 44.7119



48.6162, 58.7163, 78.5355



60.6980, 58.7163, 87.9954



63.6764, 58.7163, 51.2614

Rectangle

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



51.1881, 58.7163, 44.7119



47.4445, 58.7163, 60.5691



60.6980, 58.7163, 87.9954



65.1010, 58.7163, 67.4172

Sweetspot

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



51.1896, 58.7189, 44.7132



90.7872, 98.0758, 96.3501



48.8713, 48.5286, 42.8684



19.3360, 20.9488, 20.3436



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.



51.1896, 58.7189, 44.7132



79.4389, 92.9150, 64.6688



46.3944, 56.2468, 44.4888



12.3950, 13.5871, 12.5813



20.5908, 31.4839, 4.9918



1.2345, 1.8033, 0.2830

Inverse Universe

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



43.7235, 41.4824, 64.7371



65.2343, 60.1166, 102.7732



48.7648, 44.0813, 64.9730



11.5389, 11.6111, 14.8767



8.8108, 3.7224, 37.4466



0.5769, 0.2515, 2.0977

Previews

White Background



This preview shows how the XYZ color 51.1881, 58.7163, 44.7119 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 51.1881, 58.7163, 44.7119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

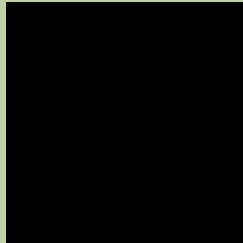
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

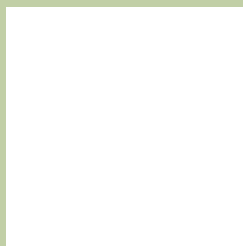
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.1881, 58.7163, 44.7119

Background



This preview shows how black text looks on a background with the XYZ color 51.1881, 58.7163, 44.7119.



This preview shows how white text looks on a background with the XYZ color 51.1881, 58.7163,

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

51.1881, 58.7163, 44.7119

Protanopia

54.9381, 58.5638, 43.0587

Deuteranopia

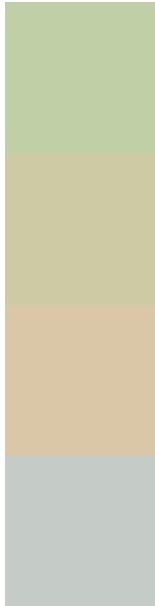
59.7319, 58.6040, 45.6996



Tritanopia

56.8684, 58.5458, 73.2689

Trichromacy



Original Color

51.1881, 58.7163, 44.7119

Protanomaly

53.5104, 58.5140, 43.5960

Deuteranomaly

56.4047, 58.5794, 45.3799

Tritanomaly

54.5749, 58.6594, 61.8721

Monochromacy



Original Color

51.1881, 58.7163, 44.7119

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

52.5145, 57.0542, 54.6991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1881, 58.7163, 44.7119 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(193, 207, 166)` looks like.

```
.text, #text, p{  
    color:rgb(193, 207, 166)  
}
```

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(193, 207, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 207, 166) }
```

Border

The CSS property to change the border of an element to XYZ 51.1881, 58.7163, 44.7119 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(193, 207, 166) }
```


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

```
.border{ border-color:rgb(193, 207, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 207, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 207, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 207, 166);  
box-shadow:4px 4px 4px 4px rgb(193, 207,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1881, 58.7163, 44.7119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 207, 166) }
```

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

```
.background{ background-color: rgb(193,  
207, 166) }
```

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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