

Converting Colors

XYZ(50.1300, 58.0524, 17.5799)

Have a look what the booklet for
XYZ(50.1300, 58.0524, 17.5799)
contains.

XYZ(50.1300, 58.0524, 17.5799)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.1300, 58.0524,
17.5799)**

Conversions

Conversions Part 1

Format	Color
Hex	D2CD57
RGB	210, 205, 87
RGB Percent	82%, 80%, 34%
CMY	0.1765, 0.1961, 0.6588
CMYK	0.00, 0.02, 0.59, 0.18
HSL	58°, 58%, 58%
HSV	58°, 59%, 82%
XYZ	50.1300, 58.0524, 17.5799
YIQ	193.0430, 40.8580, -35.6380

Conversions

Conversions Part 2

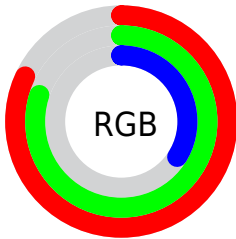
Format	Color
RYB	92, 210, 87
Decimal	13815127
CIELab	80.77, -13.13, 57.94
CIELCh	81, 59.404, 102.766
Yxy	58.0524, 0.3986, 0.4616
Android (android.graphics.Color)	4292005207 (0xFFD2CD57)
YUV	193.0430, -52.2792, 14.8713
Hunter-Lab	76.1921, -15.8936, 39.6544

Details

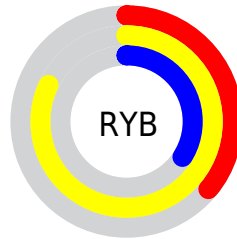
The XYZ color **50.1300, 58.0524, 17.5799** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **19.3905, 14.3334, 62.7172**, and the grayscale version is **50.9961, 53.6519, 58.4269**.

A 20% lighter version of the original color is **81.8077, 94.7031, 39.1671**, and **24.4508, 29.0045, 5.6060** is the 20% darker color. If you saturate the color by 10%, you get **49.1910, 57.3534, 13.6325**, and if you desaturate by 10%, it is **51.3224, 58.8588, 22.8442**.

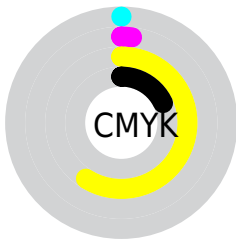
Distribution



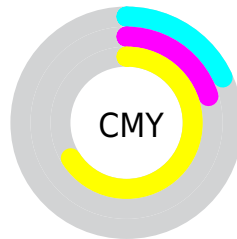
- Red (82%)
- Green (80%)
- Blue (34%)



- Red (36%)
- Yellow (82%)
- Blue (34%)



- Cyan (0%)
- Magenta (2%)
- Yellow (59%)
- Black (18%)



- Cyan (18%)
- Magenta (20%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1300, 58.0524, 17.5799 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 50.1300, 58.0524, 17.5799 by changing the saturation by 10% instead.

■ 50.1300, 58.0524,
17.5799

■ 50.1300, 58.0524,
17.5799

377.6177,
417.3812, 250.6485

■ 35.7349, 41.8508,
10.4825

■ 89.5581, 101.9992,
40.1244

■ 24.3987, 28.9845,
5.6103

■ 115.3219,
130.5131, 56.4086

■ 15.7560, 19.0691,
2.5446

■ 145.6059,
163.8999, 76.5921

■ 9.4414, 11.7202,
0.8637

■ 180.7756,
202.5440, 101.0934

■ 5.0896, 6.5535,
0.0000

221.1963,
246.8298, 130.3312

■ 2.3352, 3.1844,
0.0000

267.2333,

■ 0.8126, 1.2288,

297.1416, 164.7240

0.0000

319.2519,
353.8640, 204.6902

■ 0.0000, 0.0850,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.1300, 58.0524,
17.5799

■ 50.1300, 58.0524,
17.5799

■ 49.1910, 57.3534,
13.6325

■ 51.3224, 58.8588,
22.8442

■ 48.4789, 56.7449,
10.8807


■ 52.7838, 59.7724,
29.5252


■ 47.9689, 56.2190,
9.1875

■ 54.5332, 60.8030,
37.7175


■ 47.6203, 55.7594,
8.3390


■ 56.5868, 61.9570,
47.5062


 47.5753, 55.6957,
8.2429

 58.9596, 63.2406,
58.9702

 61.6656, 64.6592,
72.1833

 64.7179, 66.2181,
87.2147

 68.1285, 67.9221,
104.1273

 68.3420, 68.3491,
104.1984

Harmonies

Analogous

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



62.4608, 58.0524, 18.1669



50.1300, 58.0524, 17.5799



40.6676, 58.0524, 25.4696

Triad

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



50.1300, 58.0524, 17.5799



39.6162, 58.0524, 121.0303



80.8955, 58.0524, 85.3977

Complementary

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



50.1300, 58.0524, 17.5799



19.3905, 14.3334, 62.7172

Split Complementary

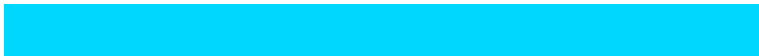
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.7826, 58.0524, 126.8616



50.1300, 58.0524, 17.5799



48.4828, 58.0524, 152.1107

Square

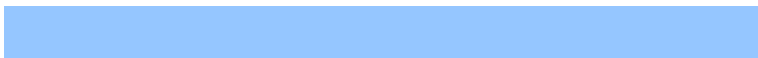
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.1300, 58.0524, 17.5799



35.2304, 58.0524, 79.3327



60.5520, 58.0524, 154.5706



81.5110, 58.0524, 49.4332

Rectangle

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



50.1300, 58.0524, 17.5799



36.7578, 58.0524, 37.0722



60.5520, 58.0524, 154.5706



78.9052, 58.0524, 99.4152

Sweetspot

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



50.1314, 58.0551, 17.5811



87.9293, 96.2050, 74.3216



31.9693, 21.3116, 12.8201



18.6079, 20.4742, 14.8887



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.



50.1314, 58.0551, 17.5811



76.0532, 88.7713, 20.0551



38.2177, 53.7154, 17.3714



12.7606, 13.7118, 12.5861



29.0389, 34.0108, 5.0342



1.6367, 1.9278, 0.2858

Inverse Universe

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



19.3905, 14.3334, 62.7172



24.2212, 15.0786, 96.2416



26.2571, 17.2520, 62.9187



11.2016, 11.4935, 14.8717



7.1700, 2.9867, 37.3911



0.4147, 0.1947, 2.0953

Previews

White Background



This preview shows how the XYZ color 50.1300, 58.0524, 17.5799 looks on a white background.

Color Contrast Check

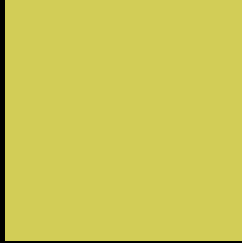
Large Text (above 18pt) WCAG AA × Fail

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 50.1300, 58.0524, 17.5799 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 50.1300, 58.0524, 17.5799

Background



This preview shows how black text looks on a background with the XYZ color 50.1300, 58.0524, 17.5799.



This preview shows how white text looks on a background with the XYZ color 50.1300, 58.0524,

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

50.1300, 58.0524, 17.5799

Protanopia

52.9978, 58.1331, 17.2316

Deuteranopia

59.2305, 57.9734, 17.9657



Tritanopia

60.3590, 57.7829, 67.6465

Trichromacy



Original Color

50.1300, 58.0524, 17.5799

Protanomaly

51.7137, 57.8184, 17.2386

Deuteranomaly

55.5171, 57.7105, 17.8860

Tritanomaly

55.5805, 57.5183, 43.2947

Monochromacy



Original Color

50.1300, 58.0524, 17.5799

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.3522, 54.4077, 38.4725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1300, 58.0524, 17.5799 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(210, 205, 87)` looks like.

```
.text, #text, p{  
    color:rgb(210, 205, 87)  
}
```

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(210, 205, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 205, 87) }
```

Border

The CSS property to change the border of an element to XYZ 50.1300, 58.0524, 17.5799 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(210, 205, 87) }
```


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

```
.border{ border-color:rgb(210, 205, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 205, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 205, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 205, 87);  
box-shadow:4px 4px 4px 4px rgb(210, 205,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1300, 58.0524, 17.5799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 205, 87) }
```

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

```
.background{ background-color: rgb(210,  
205, 87) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor