

Converting Colors

XYZ(49.4787, 58.5073, 30.5105)

Have a look what the booklet for
XYZ(49.4787, 58.5073, 30.5105)
contains.

XYZ(49.4857, 58.5135, 30.5158)	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(49.4857, 58.5135,
30.5158)**

Conversions

Conversions Part 1

Format	Color
Hex	C4D084
RGB	196, 208, 132
RGB Percent	77%, 82%, 52%
CMY	0.2314, 0.1843, 0.4823
CMYK	0.06, 0.00, 0.37, 0.18
HSL	69°, 45%, 67%
HSV	69°, 37%, 82%
XYZ	49.4857, 58.5135, 30.5158
YIQ	195.7480, 17.2440, -26.1800

Conversions

Conversions Part 2

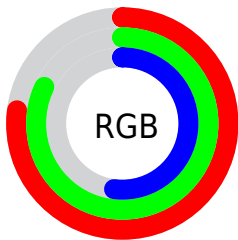
Format	Color
RYB	132, 208, 144
Decimal	12898436
CIELab	81.02, -15.97, 36.40
CIELCh	81, 39.746, 113.684
Yxy	58.5135, 0.3573, 0.4224
Android (android.graphics.Color)	4291088516 (0xFFC4D084)
YUV	195.7480, -31.4278, 0.2210
Hunter-Lab	76.4941, -18.3892, 29.8933

Details

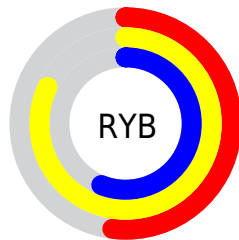
The XYZ color **49.4857, 58.5135, 30.5158** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.1402, 26.9874, 63.2457**, and the grayscale version is **52.4947, 55.2285, 60.1439**.

A 20% lighter version of the original color is **85.1309, 95.9478, 60.4873**, and **24.0253, 29.3680, 12.1869** is the 20% darker color. If you saturate the color by 10%, you get **47.3571, 57.5665, 23.7126**, and if you desaturate by 10%, it is **51.9197, 59.5890, 38.8170**.

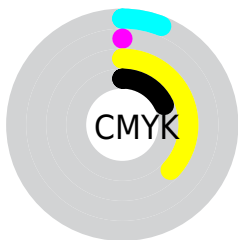
Distribution



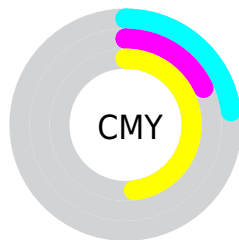
- Red (77%)
- Green (82%)
- Blue (52%)



- Red (52%)
- Yellow (82%)
- Blue (56%)



- Cyan (6%)
- Magenta (0%)
- Yellow (37%)
- Black (18%)



- Cyan (23%)
- Magenta (18%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4857, 58.5135, 30.5158 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 49.4857, 58.5135, 30.5158 by changing the saturation by 10% instead.

■ 49.4857, 58.5135,
30.5158

■ 49.4857, 58.5135,
30.5158

375.1366,
419.0966, 318.5832

■ 35.2210, 42.2216,
19.9751

■ 88.6088, 102.6703,
61.5475

■ 24.0005, 29.2749,
12.1930

■ 114.1979,
131.3039, 82.8756

■ 15.4587, 19.2888,
6.7511

■ 144.2926,
164.8203, 108.6366

■ 9.2304, 11.8792,
3.2309

179.2582,
203.6038, 139.2489

■ 4.9501, 6.6615,
1.2137

219.4600,
248.0387, 175.1312

■ 2.2524, 3.2513,
0.0000

265.2635,

■ 0.7702, 1.2643,

298.5096, 216.7020

0.0000

317.0339,
355.4008, 264.3798

0.0000, 0.1133,
0.0000

0.0000, 0.0000,
0.0000

49.4857, 58.5135,
30.5158

49.4857, 58.5135,
30.5158

47.3571, 57.5665,
23.7126

51.9197, 59.5890,
38.8170

45.5126, 56.7331,
18.3144

54.6705, 60.7913,
48.6943

43.9347, 56.0086,
14.2236

57.7541, 62.1289,
60.2251

42.6020, 55.3843,
11.3285

61.1840, 63.6072,
73.4803

■ 41.4897, 54.8502,
9.4990

■ 64.9731, 65.2315,
88.5270

■ 40.5660, 54.3937,
8.5677

■ 68.8415, 66.8897,
103.8904

■ 40.2700, 54.2456,
8.3480

■ 69.8203, 67.3943,
103.9362

■ 70.8187, 67.9089,
103.9829

■ 71.8366, 68.4337,
104.0306

Harmonies

Analogous

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



57.3780, 58.5135, 28.3941



49.4857, 58.5135, 30.5158



43.7918, 58.5135, 40.4231

Triad

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



49.4857, 58.5135, 30.5158



46.7430, 58.5135, 107.7564



72.9118, 58.5135, 68.8387

Complementary

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



49.4857, 58.5135, 30.5158



31.1402, 26.9874, 63.2457

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.



69.3958, 58.5135, 94.5685



49.4857, 58.5135, 30.5158



53.8891, 58.5135, 120.3475

Square

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



49.4857, 58.5135, 30.5158



42.3211, 58.5135, 83.7501



62.2313, 58.5135, 115.0048



71.4372, 58.5135, 47.1546

Rectangle

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



49.4857, 58.5135, 30.5158



41.7428, 58.5135, 51.7860



62.2313, 58.5135, 115.0048



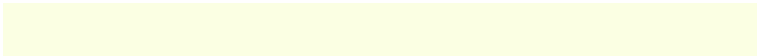
72.2640, 58.5135, 77.3397

Sweetspot

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



49.4872, 58.5161, 30.5170



89.2469, 97.4926, 86.7510



40.0619, 34.8427, 26.4444



18.9594, 20.8054, 18.0338



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.



49.4872, 58.5161, 30.5170



75.7205, 91.5494, 39.5871



40.9417, 54.1108, 30.1171



12.6124, 13.6991, 12.5915



25.1647, 33.8419, 5.2058



1.4575, 1.9182, 0.2934

Inverse Universe

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



31.1402, 26.9874, 63.2457



42.4444, 34.3325, 98.9975



38.7883, 30.9301, 63.6037



11.3351, 11.5061, 14.8671



7.5369, 3.0657, 37.3870



0.4774, 0.2003, 2.0931

Previews

White Background



This preview shows how the XYZ color 49.4857, 58.5135, 30.5158 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 49.4857, 58.5135, 30.5158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

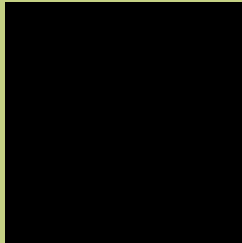
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

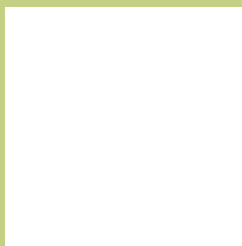
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.4857, 58.5135, 30.5158

Background



This preview shows how black text looks on a background with the XYZ color 49.4857, 58.5135, 30.5158.



This preview shows how white text looks on a background with the XYZ color 49.4857, 58.5135,

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

49.4857, 58.5135, 30.5158

Protanopia

54.0625, 58.4183, 29.1953

Deuteranopia

59.4984, 58.1493, 31.0097



Tritanopia

57.7853, 58.3650, 71.8383

Trichromacy



Original Color

49.4857, 58.5135, 30.5158

Protanomaly

52.4861, 58.6463, 29.6727

Deuteranomaly

55.5485, 58.1169, 30.8442

Tritanomaly

54.1294, 58.2583, 53.7395

Monochromacy



Original Color

49.4857, 58.5135, 30.5158

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

50.9621, 56.0614, 47.6701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4857, 58.5135, 30.5158 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(196, 208, 132)` looks like.

```
.text, #text, p{  
    color:rgb(196, 208, 132)  
}
```

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(196, 208, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 208, 132) }
```

Border

The CSS property to change the border of an element to XYZ 49.4857, 58.5135, 30.5158 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(196, 208, 132) }
```


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

```
.border{ border-color:rgb(196, 208, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 208, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 208, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 208, 132);  
box-shadow:4px 4px 4px 4px rgb(196, 208,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4857, 58.5135, 30.5158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 208, 132) }
```

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

```
.background{ background-color: rgb(196,  
208, 132) }
```

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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