

Converting Colors

XYZ(49.9423, 58.2147, 26.0028)

Have a look what the booklet for
XYZ(49.9423, 58.2147, 26.0028)
contains.

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Color

**XYZ(49.7582, 58.0311,
26.0313)**

Conversions

Conversions Part 1

Format	Color
Hex	CACE77
RGB	202, 206, 119
RGB Percent	79%, 81%, 47%
CMY	0.2078, 0.1921, 0.5333
CMYK	0.02, 0.00, 0.42, 0.19
HSL	63°, 47%, 64%
HSV	63°, 42%, 81%
XYZ	49.7582, 58.0311, 26.0313
YIQ	194.8860, 25.5430, -27.9050

Conversions

Conversions Part 2

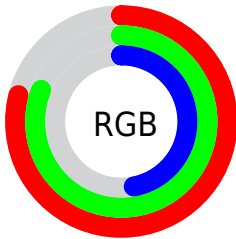
Format	Color
RYB	119, 206, 123
Decimal	13291127
CIELab	80.76, -14.08, 42.69
CIELCh	81, 44.952, 108.249
Yxy	58.0311, 0.3718, 0.4336
Android (android.graphics.Color)	4291481207 (0xFFCACE77)
YUV	194.8860, -37.4118, 6.2390
Hunter-Lab	76.1781, -16.7188, 33.0644

Details

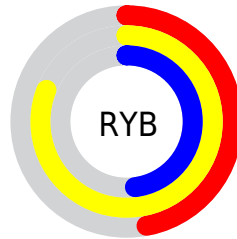
The XYZ color **49.7582, 58.0311, 26.0313** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **25.9078, 21.8622, 61.2503**, and the grayscale version is **52.0102, 54.7188, 59.5888**.

A 20% lighter version of the original color is **84.5428, 95.7971, 53.5700**, and **24.1257, 28.9848, 9.7919** is the 20% darker color. If you saturate the color by 10%, you get **48.3975, 57.4593, 20.1949**, and if you desaturate by 10%, it is **51.3915, 58.7162, 33.2824**.

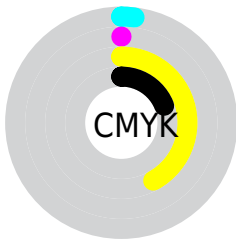
Distribution



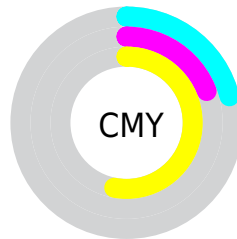
- Red (79%)
- Green (81%)
- Blue (47%)



- Red (47%)
- Yellow (81%)
- Blue (48%)



- Cyan (2%)
- Magenta (0%)
- Yellow (42%)
- Black (19%)



- Cyan (21%)
- Magenta (19%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7582, 58.0311, 26.0313 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 49.7582, 58.0311, 26.0313 by changing the saturation by 10% instead.

■ 49.7582, 58.0311,
26.0313

■ 49.7582, 58.0311,
26.0313

376.1872,
417.3018, 296.5461

■ 35.4383, 41.8337,
16.6211

■ 89.0105, 101.9681,
54.3101

■ 24.1688, 28.9711,
9.8056

■ 114.6736,
130.4765, 74.0158

■ 15.5843, 19.0589,
5.1663

■ 144.8485,
163.8574, 97.9905

■ 9.3195, 11.7129,
2.2847

179.9005,
202.4950, 126.6525

■ 5.0089, 6.5485,
0.7227

220.1951,
246.7739, 160.4206

■ 2.2873, 3.1814,
0.0000

266.0975,

■ 0.7882, 1.2271,

297.0784, 199.7131

0.0000

317.9731,
353.7929, 244.9488

■ 0.0000, 0.0837,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.7582, 58.0311,
26.0313

■ 49.7582, 58.0311,
26.0313

■ 48.3975, 57.4593,
20.1949

■ 51.3915, 58.7162,
33.2824

■ 47.2876, 56.9860,
15.6775


■ 53.3091, 59.5132,
42.0286


■ 46.4104, 56.6059,
12.3771


■ 55.5271, 60.4305,
52.3483


■ 45.7434, 56.3101,
10.1755


■ 58.0592, 61.4736,
64.3137


 45.2596, 56.0878,
8.9308


 60.9182, 62.6477,
77.9923

 44.9734, 55.9510,
8.4293

 64.1162, 63.9576,
93.4478

 66.3151, 64.8679,
103.6333

 66.5836, 65.0064,
103.6459

 66.8538, 65.1456,
103.6585

Harmonies

Analogous

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



58.8695, 58.0311, 25.2105



49.7582, 58.0311, 26.0313



42.8922, 58.0311, 34.9108

Triad

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



49.7582, 58.0311, 26.0313



44.1124, 58.0311, 109.4671



74.5258, 58.0311, 74.1702

Complementary

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



49.7582, 58.0311, 26.0313



25.9078, 21.8622, 61.2503

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.



69.5614, 58.0311, 103.6675



49.7582, 58.0311, 26.0313



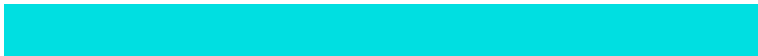
51.6036, 58.0311, 127.5475

Square

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



49.7582, 58.0311, 26.0313



39.8933, 58.0311, 80.5687



60.9325, 58.0311, 125.1691



73.8881, 58.0311, 48.5027

Rectangle

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



49.7582, 58.0311, 26.0313



40.1944, 58.0311, 46.0846



60.9325, 58.0311, 125.1691



73.4360, 58.0311, 84.0678

Sweetspot

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



49.7596, 58.0337, 26.0325



89.6054, 97.7576, 83.1483



35.7326, 28.3497, 21.0422



19.0003, 20.8502, 16.9606



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.



49.7596, 58.0337, 26.0325



78.5299, 93.1414, 33.2244



39.8206, 52.9100, 25.5674



12.1008, 13.0694, 11.9643



27.7148, 34.4628, 5.1913



1.4459, 1.7862, 0.2686

Inverse Universe

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



25.9078, 21.8622, 61.2503



34.7277, 26.6949, 97.9300



33.3396, 25.6934, 61.5981



10.6487, 10.8682, 14.1069



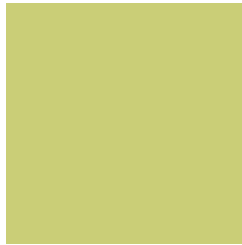
6.9555, 2.7932, 36.1288



0.3759, 0.1529, 1.8646

Previews

White Background



This preview shows how the XYZ color 49.7582, 58.0311, 26.0313 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 49.7582, 58.0311, 26.0313 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

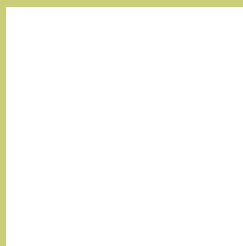
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7582, 58.0311, 26.0313

Background



This preview shows how black text looks on a background with the XYZ color 49.7582, 58.0311, 26.0313.



This preview shows how white text looks on a background with the XYZ color 49.7582, 58.0311,

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

49.7582, 58.0311, 26.0313

Protanopia

53.0786, 57.6530, 25.1602

Deuteranopia

59.1058, 57.7214, 26.4385



Tritanopia

58.4244, 57.7304, 69.6918

Trichromacy



Original Color

49.7582, 58.0311, 26.0313

Protanomaly

51.8311, 57.6952, 25.5440

Deuteranomaly

55.1860, 57.3543, 26.2510

Tritanomaly

54.4717, 57.4711, 50.3415

Monochromacy



Original Color

49.7582, 58.0311, 26.0313

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.6872, 55.6426, 44.6278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7582, 58.0311, 26.0313 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(202, 206, 119)` looks like.

```
.text, #text, p{  
    color:rgb(202, 206, 119)  
}
```

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(202, 206, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 206, 119) }
```

Border

The CSS property to change the border of an element to XYZ 49.7582, 58.0311, 26.0313 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(202, 206, 119) }
```


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

```
.border{ border-color:rgb(202, 206, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 206, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 206, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 206, 119);  
box-shadow:4px 4px 4px 4px rgb(202, 206,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7582, 58.0311, 26.0313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 206, 119) }
```

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

```
.background{ background-color: rgb(202,  
206, 119) }
```

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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