

Converting Colors

XYZ(48.4204, 61.4327, 18.8452)

Have a look what the booklet for
XYZ(48.4204, 61.4327, 18.8452)
contains.

XYZ(48.6083, 61.6844, 18.7955)	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(48.6083, 61.6844,
18.7955)**

Conversions

Conversions Part 1

Format	Color
Hex	C1D959
RGB	193, 217, 89
RGB Percent	76%, 85%, 35%
CMY	0.2431, 0.1490, 0.6510
CMYK	0.11, 0.00, 0.59, 0.15
HSL	71°, 63%, 60%
HSV	71°, 59%, 85%
XYZ	48.6083, 61.6844, 18.7955
YIQ	195.2320, 26.7840, -44.8960

Conversions

Conversions Part 2

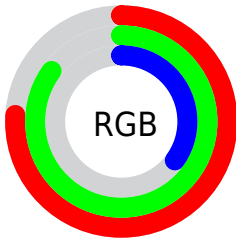
Format	Color
R_YB	89, 217, 113
Decimal	12704089
CIE Lab	82.75, -25.78, 58.89
CIE LCh	83, 64.286, 113.641
Yxy	61.6844, 0.3766, 0.4778
Android (android.graphics.Color)	4290894169 (0xFFC1D959)
YUV	195.2320, -52.3724, -1.9575
Hunter-Lab	78.5394, -26.9698, 40.7887

Details

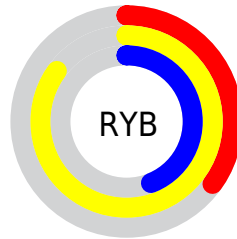
The XYZ color **48.6083, 61.6844, 18.7955** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **22.9090, 15.6667, 67.4658**, and the grayscale version is **52.3030, 55.0268, 59.9242**.

A 20% lighter version of the original color is **80.8628, 94.1986, 39.9068**, and **23.4976, 31.2633, 6.1625** is the 20% darker color. If you saturate the color by 10%, you get **46.8053, 60.8472, 14.6358**, and if you desaturate by 10%, it is **50.7113, 62.6493, 24.3734**.

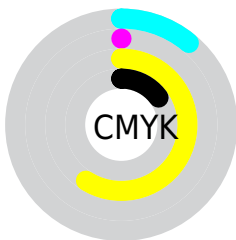
Distribution



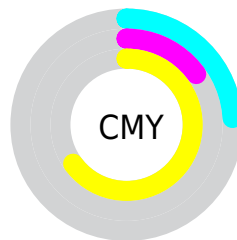
- Red (76%)
- Green (85%)
- Blue (35%)



- Red (35%)
- Yellow (85%)
- Blue (44%)



- Cyan (11%)
- Magenta (0%)
- Yellow (59%)
- Black (15%)



- Cyan (24%)
- Magenta (15%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6083, 61.6844, 18.7955 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 48.6083, 61.6844, 18.7955 by changing the saturation by 10% instead.

■ 48.6083, 61.6844,
18.7955

■ 48.6083, 61.6844,
18.7955

371.7408,
430.7790, 257.7025

■ 34.5221, 44.7777,
11.3473

■ 87.3136, 107.2693,
42.2203

■ 23.4598, 31.2824,
6.1838

■ 112.6635,
136.7163, 59.0341

■ 15.0559, 20.8140,
2.8866

■ 142.4986,
171.1122, 79.8067

■ 8.9452, 12.9881,
1.0370

■ 177.1844,
210.8414, 104.9568

■ 4.7623, 7.4203,
0.0000

217.0861,
256.2882, 134.9028

■ 2.1418, 3.7263,
0.0000

262.5692,

■ 0.7118, 1.5217,

307.8372, 170.0635

0.0000

313.9990,
365.8726, 210.8572

0.0000, 0.3039,
0.0000

0.0000, 0.0000,
0.0000

48.6083, 61.6844,
18.7955

48.6083, 61.6844,
18.7955

46.8053, 60.8472,
14.6358

50.7113, 62.6493,
24.3734

45.2734, 60.1195,
11.7619


53.1317, 63.7423,
31.4784


43.9850, 59.4924,
10.0237


55.8902, 64.9739,
40.2133


42.8941, 58.9476,
9.1805


59.0049, 66.3514,
50.6708


 42.7884, 58.8945,
9.1126

 62.4922, 67.8812,
62.9367

 66.3674, 69.5697,
77.0910

 70.6452, 71.4227,
93.2091

 74.0898, 72.9458,
104.7827

 75.3779, 73.6099,
104.8430

Harmonies

Analogous

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



61.6210, 61.6844, 16.3759



48.6083, 61.6844, 18.7955



39.7319, 61.6844, 31.4025

Triad

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



48.6083, 61.6844, 18.7955



44.2480, 61.6844, 148.9547



89.1931, 61.6844, 75.9477

Complementary

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



48.6083, 61.6844, 18.7955



22.9090, 15.6667, 67.4658

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.



82.7309, 61.6844, 123.1190



48.6083, 61.6844, 18.7955



55.7358, 61.6844, 174.7040

Square

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



48.6083, 61.6844, 18.7955



37.5048, 61.6844, 102.5263



69.9405, 61.6844, 163.7497



86.4880, 61.6844, 41.0408

Rectangle

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



48.6083, 61.6844, 18.7955



36.6545, 61.6844, 47.9332



69.9405, 61.6844, 163.7497



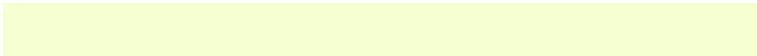
87.9921, 61.6844, 90.9525

Sweetspot

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



48.6098, 61.6872, 18.7968



85.4246, 95.7922, 74.3739



36.2664, 27.1663, 12.7842



17.9878, 20.3728, 14.9018



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.



48.6098, 61.6872, 18.7968



66.8270, 87.3930, 19.8161



35.7527, 55.0591, 18.1951



13.9104, 15.1340, 13.9136



25.9845, 35.6930, 5.5199



1.7466, 2.3449, 0.3606

Inverse Universe

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



22.9090, 15.6667, 67.4658



26.6682, 15.2931, 96.1540



34.1091, 21.4405, 67.9900



12.5654, 12.7341, 16.4478



8.1935, 3.3481, 39.9528



0.5989, 0.2520, 2.5915

Previews

White Background



This preview shows how the XYZ color 48.6083, 61.6844, 18.7955 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 48.6083, 61.6844, 18.7955 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 48.6083, 61.6844, 18.7955

Background



This preview shows how black text looks on a background with the XYZ color 48.6083, 61.6844, 18.7955.



This preview shows how white text looks on a background with the XYZ color 48.6083, 61.6844,

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

48.6083, 61.6844, 18.7955

Protanopia

56.0641, 61.4725, 17.7146

Deuteranopia

62.6785, 61.3769, 19.3699



Tritanopia

60.2433, 61.6184, 76.4285

Trichromacy



Original Color

48.6083, 61.6844, 18.7955

Protanomaly

53.0858, 61.3802, 18.0665

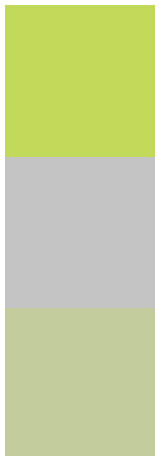
Deuteranomaly

56.8474, 61.1318, 19.1594

Tritanomaly

54.6040, 61.1360, 47.9522

Monochromacy



Original Color

48.6083, 61.6844, 18.7955

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

49.6048, 56.5815, 39.7594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6083, 61.6844, 18.7955 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, 217, 89)` looks like.

```
.text, #text, p{  
    color:rgb(193, 217, 89)  
}
```

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, 217, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 217, 89) }
```

Border

The CSS property to change the border of an element to XYZ 48.6083, 61.6844, 18.7955 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, 217, 89) }
```


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

```
.border{ border-color:rgb(193, 217, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 217, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 217, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 217, 89);  
box-shadow:4px 4px 4px 4px rgb(193, 217,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6083, 61.6844, 18.7955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 217, 89) }
```

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

```
.background{ background-color: rgb(193,  
217, 89) }
```

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