

Converting Colors

XYZ(38.3832, 48.4746, 18.7684)

Have a look what the booklet for
XYZ(38.3832, 48.4746, 18.7684)
contains.

XYZ(38.5143, 48.5700, 18.9003)	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(38.5143, 48.5700,
18.9003)**

Conversions

Conversions Part 1

Format	Color
Hex	ABC362
RGB	171, 195, 98
RGB Percent	67%, 76%, 38%
CMY	0.3294, 0.2353, 0.6157
CMYK	0.12, 0.00, 0.50, 0.24
HSL	75°, 45%, 57%
HSV	75°, 50%, 76%
XYZ	38.5143, 48.5700, 18.9003
YIQ	176.7660, 16.8330, -35.2550

Conversions

Conversions Part 2

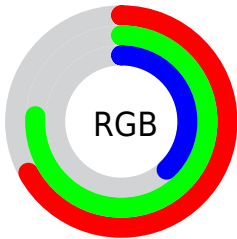
Format	Color
RYB	98, 195, 122
Decimal	11256674
CIELab	75.18, -23.03, 45.65
CIElCh	75, 51.128, 116.776
Yxy	48.5700, 0.3634, 0.4583
Android (android.graphics.Color)	4289446754 (0xFFABC362)
YUV	176.7660, -38.8316, -5.0568
Hunter-Lab	69.6922, -23.3161, 32.7053

Details

The XYZ color **38.5143, 48.5700, 18.9003** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.2459, 16.8144, 53.7056**, and the grayscale version is **41.8593, 44.0393, 47.9588**.

A 20% lighter version of the original color is **72.3912, 88.3492, 42.5158**, and **17.3741, 23.0369, 6.2202** is the 20% darker color. If you saturate the color by 10%, you get **36.6718, 47.7155, 14.5797**, and if you desaturate by 10%, it is **40.6218, 49.5384, 24.4060**.

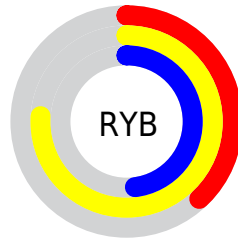
Distribution



Red (67%)

Green (76%)

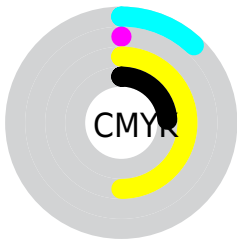
Blue (38%)



Red (38%)

Yellow (76%)

Blue (48%)

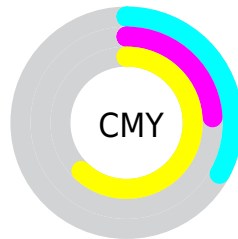


Cyan (12%)

Magenta (0%)

Yellow (50%)

Black (24%)



Cyan (33%)

Magenta (24%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5143, 48.5700, 18.9003 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 38.5143, 48.5700, 18.9003 by changing the saturation by 10% instead.

■ 38.5143, 48.5700,
18.9003

■ 38.5143, 48.5700,
18.9003

331.0639,
381.0470, 258.3022

■ 26.5611, 34.2785,
11.4222

■ 72.1946, 88.0525,
42.4000

■ 17.3788, 23.1076,
6.2338

■ 94.6524, 114.0122,
59.2587

■ 10.6019, 14.6730,
2.9167

■ 121.3424,
144.6302, 80.0813

■ 5.8651, 8.5902,
1.0523

■ 152.6301,
180.2908, 105.2864

■ 2.8031, 4.4749,
0.0000

188.8807,
221.3784, 135.2924

■ 1.0505, 1.9426,
0.0000

230.4596,

■ 0.0000, 0.5738,

268.2773, 170.5181

0.0000

277.7323,
321.3721, 211.3818

■ 0.0000, 0.0000,
0.0000

■ 38.5143, 48.5700,
18.9003

■ 38.5143, 48.5700,
18.9003

■ 36.6718, 47.7155,
14.5797

■ 40.6218, 49.5384,
24.4060

■ 35.0739, 46.9615,
11.3538

■ 43.0062, 50.6203,
31.1723

■ 33.7024, 46.3024,
9.1242


■ 45.6826, 51.8235,
39.2720


■ 32.5347, 45.7291,
7.7737


■ 48.6641, 53.1533,
48.7714


■ 31.5284, 45.2246,
7.0819


■ 51.9627, 54.6146,
59.7326

 31.5035, 45.2121,
7.0664

 55.5899, 56.2120,
72.2138

 59.5565, 57.9499,
86.2701

 63.8729, 59.8324,
101.9538

 65.4239, 60.6135,
102.8591

Harmonies

Analogous

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



47.1849, 48.5700, 16.2859



38.5143, 48.5700, 18.9003



32.6737, 48.5700, 29.3523

Triad

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



38.5143, 48.5700, 18.9003



36.9800, 48.5700, 108.8548



66.5894, 48.5700, 55.8395

Complementary

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



38.5143, 48.5700, 18.9003



22.2459, 16.8144, 53.7056

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.



62.9351, 48.5700, 86.4917



38.5143, 48.5700, 18.9003



45.1586, 48.5700, 122.9374

Square

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



38.5143, 48.5700, 18.9003



31.8757, 48.5700, 79.7012



54.7657, 48.5700, 113.6178



64.1890, 48.5700, 32.8790

Rectangle

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



38.5143, 48.5700, 18.9003



30.7532, 48.5700, 41.9377



54.7657, 48.5700, 113.6178



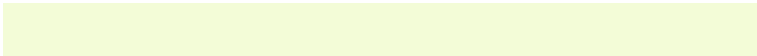
66.0175, 48.5700, 65.5874

Sweetspot

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



38.5155, 48.5722, 18.9013



84.1535, 93.8574, 77.6900



31.5049, 26.0712, 14.9277



18.1815, 20.4434, 16.2314



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.



38.5155, 48.5722, 18.9013



65.3142, 85.2849, 25.3260



30.0143, 44.1897, 18.5035



10.6621, 11.6288, 10.7445



20.5541, 29.4249, 4.5963



0.9476, 1.3021, 0.2014

Inverse Universe

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



22.2459, 16.8144, 53.7056



32.8520, 21.8033, 94.9467



30.6105, 21.1265, 54.0971



9.7566, 9.8657, 12.6749



7.2678, 3.0071, 33.7540



0.3793, 0.1636, 1.4615

Previews

White Background



This preview shows how the XYZ color 38.5143, 48.5700, 18.9003 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 38.5143, 48.5700, 18.9003 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 38.5143, 48.5700, 18.9003

Background



This preview shows how black text looks on a background with the XYZ color 38.5143, 48.5700, 18.9003.



This preview shows how white text looks on a background with the XYZ color 38.5143, 48.5700,

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

38.5143, 48.5700, 18.9003

Protanopia

44.3164, 48.3615, 17.8255

Deuteranopia

49.3375, 48.1987, 19.5349



Tritanopia

46.8620, 48.4255, 60.3032

Trichromacy



Original Color

38.5143, 48.5700, 18.9003

Protanomaly

42.0471, 48.4462, 18.2013

Deuteranomaly

44.7360, 47.9284, 19.2052

Tritanomaly

43.0952, 48.1588, 41.2066

Monochromacy



Original Color

38.5143, 48.5700, 18.9003

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.1650, 45.5331, 34.6888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5143, 48.5700, 18.9003 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(171, 195, 98)` looks like.

```
.text, #text, p{  
    color:rgb(171, 195, 98)  
}
```

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(171, 195, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 195, 98) }
```

Border

The CSS property to change the border of an element to XYZ 38.5143, 48.5700, 18.9003 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(171, 195, 98) }
```


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

```
.border{ border-color:rgb(171, 195, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 195, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 195, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 195, 98);  
box-shadow:4px 4px 4px 4px rgb(171, 195,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5143, 48.5700, 18.9003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 195, 98) }
```

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

```
.background{ background-color: rgb(171,  
195, 98) }
```

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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