

Converting Colors

XYZ(41.2492, 48.2781, 18.6511)

Have a look what the booklet for
XYZ(41.2492, 48.2781, 18.6511)
contains.

XYZ(41.3571, 48.4001, 18.7177)	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(41.3571, 48.4001,
18.7177)**

Conversions

Conversions Part 1

Format	Color
Hex	BCBE62
RGB	188, 190, 98
RGB Percent	74%, 75%, 38%
CMY	0.2627, 0.2549, 0.6157
CMYK	0.01, 0.00, 0.48, 0.25
HSL	61°, 41%, 56%
HSV	61°, 48%, 75%
XYZ	41.3571, 48.4001, 18.7177
YIQ	178.9140, 28.3400, -29.0360

Conversions

Conversions Part 2

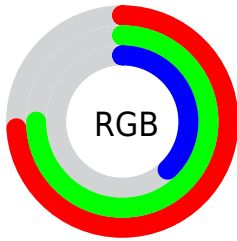
Format	Color
RYB	98, 190, 100
Decimal	12369506
CIELab	75.08, -13.69, 45.82
CIELCh	75, 47.823, 106.630
Yxy	48.4001, 0.3813, 0.4462
Android (android.graphics.Color)	4290559586 (0xFFBCBE62)
YUV	178.9140, -39.8906, 7.9684
Hunter-Lab	69.5702, -15.6357, 32.7473

Details

The XYZ color **41.3571, 48.4001, 18.7177** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.9191, 15.1636, 50.6478**, and the grayscale version is **42.9982, 45.2375, 49.2636**.

A 20% lighter version of the original color is **76.5477, 87.7387, 42.1789**, and **19.1316, 23.0831, 6.1365** is the 20% darker color. If you saturate the color by 10%, you get **40.4630, 48.0324, 14.5361**, and if you desaturate by 10%, it is **42.4668, 48.8575, 24.0228**.

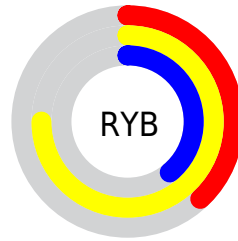
Distribution



Red (74%)

Green (75%)

Blue (38%)



Red (38%)

Yellow (75%)

Blue (39%)

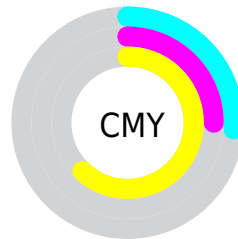


Cyan (1%)

Magenta (0%)

Yellow (48%)

Black (25%)



Cyan (26%)

Magenta (25%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3571, 48.4001, 18.7177 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 41.3571, 48.4001, 18.7177 by changing the saturation by 10% instead.

■ 41.3571, 48.4001,
18.7177

■ 41.3571, 48.4001,
18.7177

342.8480,
380.3758, 257.2564

■ 28.7871, 34.1438,
11.2917

■ 76.4970, 87.7998,
42.0869

■ 19.0633, 23.0041,
6.1468

■ 99.7976, 113.7121,
58.8671

■ 11.8203, 14.5966,
2.8643

■ 127.4058,
144.2784, 79.6026

■ 6.6928, 8.5367,
1.0258

■ 159.6869,
179.8833, 104.7117

■ 3.3153, 4.4403,
0.0000

197.0064,
220.9111, 134.6132

■ 1.3226, 1.9228,
0.0000

239.7295,

■ 0.2001, 0.5620,

267.7462, 169.7254

0.0000

288.2216,
320.7730, 210.4670

■ 0.0000, 0.0000,
0.0000

■ 41.3571, 48.4001,
18.7177

■ 41.3571, 48.4001,
18.7177

■ 40.4630, 48.0324,
14.5361

■ 42.4668, 48.8575,
24.0228

■ 39.7657, 47.7418,
11.3944

■ 43.8024, 49.4036,
30.5211

■ 39.2490, 47.5234,
9.2022


■ 45.3777, 50.0456,
38.2803


■ 38.8926, 47.3692,
7.8524


■ 47.2044, 50.7882,
47.3620


■ 38.6635, 47.2659,
7.1716


■ 49.2936, 51.6358,
57.8238

 38.6312, 47.2511,
7.0843

 51.6554, 52.5925,
69.7199

 54.2996, 53.6622,
83.1018

 57.2355, 54.8486,
98.0182

 58.1337, 55.2199,
102.2023

Harmonies

Analogous

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



50.0010, 48.4001, 18.3643



41.3571, 48.4001, 18.7177



34.8317, 48.4001, 26.0682

Triad

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



41.3571, 48.4001, 18.7177



35.3967, 48.4001, 96.0214



64.3746, 48.4001, 64.6357

Complementary

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



41.3571, 48.4001, 18.7177



18.9191, 15.1636, 50.6478

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.



59.3385, 48.4001, 93.1606



41.3571, 48.4001, 18.7177



42.2237, 48.4001, 114.7941

Square

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



41.3571, 48.4001, 18.7177



31.7010, 48.4001, 67.7153



50.9841, 48.4001, 113.6067



64.0653, 48.4001, 40.0857

Rectangle

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



41.3571, 48.4001, 18.7177



32.2313, 48.4001, 35.8148



50.9841, 48.4001, 113.6067



63.2260, 48.4001, 74.1986

Sweetspot

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



41.3583, 48.4023, 18.7187



83.2278, 91.0922, 74.3305



27.9540, 20.8553, 14.1081



18.1272, 19.9424, 15.5839



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.3583, 48.4023, 18.7187



73.2466, 87.0060, 26.0000



31.8555, 43.5035, 18.2740



10.3011, 11.1096, 10.1781



25.6952, 31.4222, 4.7108



1.0131, 1.2342, 0.1848

Inverse Universe

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



18.9191, 15.1636, 50.6478



27.8466, 19.7416, 90.6220



25.4347, 18.5225, 50.9527



9.0352, 9.2350, 11.9785



6.2233, 2.4943, 32.5463



0.2504, 0.1011, 1.2752

Previews

White Background



This preview shows how the XYZ color 41.3571, 48.4001, 18.7177 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 41.3571, 48.4001, 18.7177 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

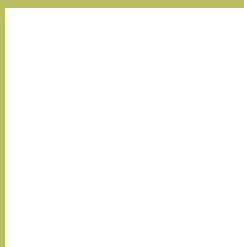
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.3571, 48.4001, 18.7177

Background



This preview shows how black text looks on a background with the XYZ color 41.3571, 48.4001, 18.7177.



This preview shows how white text looks on a background with the XYZ color 41.3571, 48.4001,

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

41.3571, 48.4001, 18.7177

Protanopia

44.3621, 48.3798, 18.0664

Deuteranopia

49.2383, 48.1590, 19.0124



Tritanopia

49.0344, 48.0962, 57.1512

Trichromacy



Original Color

41.3571, 48.4001, 18.7177

Protanomaly

43.2167, 48.4095, 18.3755

Deuteranomaly

45.9755, 47.9649, 18.8916

Tritanomaly

45.3532, 47.8049, 39.1847

Monochromacy



Original Color

41.3571, 48.4001, 18.7177

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.7299, 46.0141, 35.5364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3571, 48.4001, 18.7177 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(188, 190, 98)` looks like.

```
.text, #text, p{  
    color:rgb(188, 190, 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(188, 190, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 190, 98) }
```

Border

The CSS property to change the border of an element to XYZ 41.3571, 48.4001, 18.7177 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(188, 190, 98) }
```


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

```
.border{ border-color:rgb(188, 190, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 190, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 190, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 190, 98);  
box-shadow:4px 4px 4px 4px rgb(188, 190,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3571, 48.4001, 18.7177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 190, 98) }
```

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

```
.background{ background-color: rgb(188,  
190, 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](#).

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