

Converting Colors

XYZ(41.8422, 48.2781, 19.9267)

Have a look what the booklet for
XYZ(41.8422, 48.2781, 19.9267)
contains.

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Color

**XYZ(41.8810, 48.3216,
19.9516)**

Conversions

Conversions Part 1

Format	Color
Hex	BEBD67
RGB	190, 189, 103
RGB Percent	75%, 74%, 40%
CMY	0.2549, 0.2588, 0.5961
CMYK	0.00, 0.01, 0.46, 0.25
HSL	59°, 40%, 57%
HSV	59°, 46%, 75%
XYZ	41.8810, 48.3216, 19.9516
YIQ	179.4950, 28.2020, -26.5340

Conversions

Conversions Part 2

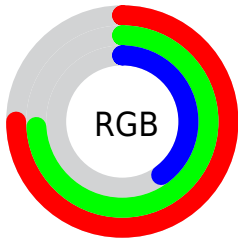
Format	Color
RYB	104, 190, 103
Decimal	12500327
CIELab	75.03, -11.88, 43.35
CIELCh	75, 44.945, 105.328
Yxy	48.3216, 0.3802, 0.4387
Android (android.graphics.Color)	4290690407 (0xFFBEBD67)
YUV	179.4950, -37.7120, 9.2129
Hunter-Lab	69.5137, -14.1054, 31.6424

Details

The XYZ color **41.8810, 48.3216, 19.9516** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.8381, 16.5015, 50.8547**, and the grayscale version is **43.2978, 45.5526, 49.6068**.

A 20% lighter version of the original color is **77.3646, 87.6616, 44.2953**, and **19.4384, 23.0163, 6.7862** is the 20% darker color. If you saturate the color by 10%, you get **40.9875, 47.8912, 15.4717**, and if you desaturate by 10%, it is **42.9936, 48.8433, 25.5748**.

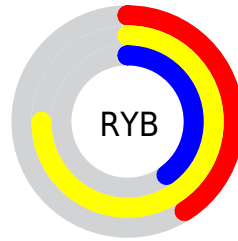
Distribution



Red (75%)

Green (74%)

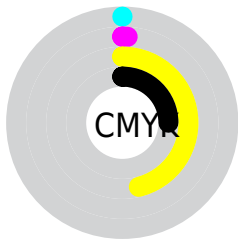
Blue (40%)



Red (41%)

Yellow (75%)

Blue (40%)

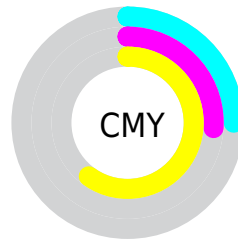


Cyan (0%)

Magenta (1%)

Yellow (46%)

Black (25%)



Cyan (25%)

Magenta (26%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8810, 48.3216, 19.9516 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 41.8810, 48.3216, 19.9516 by changing the saturation by 10% instead.

■ 41.8810, 48.3216,
19.9516

■ 41.8810, 48.3216,
19.9516

344.9894,
380.0655, 264.2485

■ 29.1988, 34.0816,
12.1761

■ 77.2858, 87.6830,
44.1939

■ 19.3763, 22.9563,
6.7398

■ 100.7391,
113.5733, 61.4979

■ 12.0481, 14.5613,
3.2239

■ 128.5135,
144.1158, 82.8151

■ 6.8489, 8.5121,
1.2101

■ 160.9744,
179.6949, 108.5640

■ 3.4133, 4.4243,
0.0000

198.4871,
220.6950, 139.1633

■ 1.3759, 1.9136,
0.0000

241.4169,

■ 0.2390, 0.5566,

267.5006, 175.0315

0.0000

290.1292,
320.4959, 216.5870

■ 0.0000, 0.0000,
0.0000

■ 41.8810, 48.3216,
19.9516

■ 41.8810, 48.3216,
19.9516

■ 40.9875, 47.8912,
15.4717

■ 42.9936, 48.8433,
25.5748

■ 40.2947, 47.5395,
12.0537

■ 44.3354, 49.4549,
32.4093

■ 39.7871, 47.2619,
9.6105


■ 45.9198, 50.1637,
40.5211


■ 39.4453, 47.0508,
8.0398


■ 47.7583, 50.9743,
49.9710


■ 39.2449, 46.8963,
7.2133


■ 49.8618, 51.8910,
60.8155

 39.1815, 46.8397,
6.9759

 52.2403, 52.9178,
73.1081

 54.9035, 54.0586,
86.8993

 57.8601, 55.3169,
102.2354

 57.9074, 55.4116,
102.2512

Harmonies

Analogous

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



50.0429, 48.3216, 19.8814



41.8810, 48.3216, 19.9516



35.5935, 48.3216, 26.8038

Triad

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



41.8810, 48.3216, 19.9516



35.7015, 48.3216, 91.7503



62.9514, 48.3216, 64.9133

Complementary

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



41.8810, 48.3216, 19.9516



19.8381, 16.5015, 50.8547

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.



58.0916, 48.3216, 91.2207



41.8810, 48.3216, 19.9516



42.0455, 48.3216, 109.5753

Square

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



41.8810, 48.3216, 19.9516



32.3261, 48.3216, 65.4906



50.2281, 48.3216, 109.3568



62.8936, 48.3216, 41.5466

Rectangle

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



41.8810, 48.3216, 19.9516



33.0269, 48.3216, 35.9114



50.2281, 48.3216, 109.3568



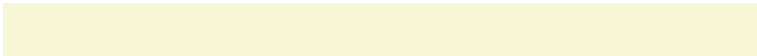
61.8155, 48.3216, 73.8276

Sweetspot

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



41.8822, 48.3238, 19.9526



83.7029, 91.1212, 75.9418



28.6074, 21.6568, 15.8899



18.2306, 19.9429, 15.9077



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.



41.8822, 48.3238, 19.9526



74.2607, 86.7787, 27.9639



33.0657, 44.0976, 19.6015



10.3127, 11.1013, 10.1759



26.0577, 31.1543, 4.6400



1.0237, 1.2264, 0.1828

Inverse Universe

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



19.8381, 16.5015, 50.8547



29.3268, 21.9163, 90.9637



25.8308, 19.4431, 51.1066



9.0250, 9.2424, 11.9805



6.1998, 2.5113, 32.5509



0.2459, 0.1044, 1.2761

Previews

White Background



This preview shows how the XYZ color 41.8810, 48.3216, 19.9516 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 41.8810, 48.3216, 19.9516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

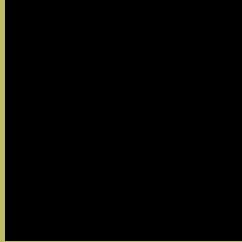
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8810, 48.3216, 19.9516

Background



This preview shows how black text looks on a background with the XYZ color 41.8810, 48.3216, 19.9516.



This preview shows how white text looks on a background with the XYZ color 41.8810, 48.3216,

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

41.8810, 48.3216, 19.9516

Protanopia

44.3758, 48.3537, 19.5647

Deuteranopia

49.1782, 48.0988, 20.3277



Tritanopia

49.5652, 48.3698, 57.1760

Trichromacy



Original Color

41.8810, 48.3216, 19.9516

Protanomaly

43.2459, 48.0829, 19.5720

Deuteranomaly

46.2251, 48.0647, 20.2057

Tritanomaly

46.0436, 48.1408, 40.1231

Monochromacy



Original Color

41.8810, 48.3216, 19.9516

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.0478, 46.1686, 35.9734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8810, 48.3216, 19.9516 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(190, 189, 103)` looks like.

```
.text, #text, p{  
    color:rgb(190, 189, 103)  
}
```

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(190, 189, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 189, 103) }
```

Border

The CSS property to change the border of an element to XYZ 41.8810, 48.3216, 19.9516 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(190, 189, 103) }
```


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

```
.border{ border-color:rgb(190, 189, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 189, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 189, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 189, 103);  
box-shadow:4px 4px 4px 4px rgb(190, 189,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8810, 48.3216, 19.9516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 189, 103) }
```

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

```
.background{ background-color: rgb(190,  
189, 103) }
```

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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