

Converting Colors

XYZ(41.6019, 50.8554, 12.5528)

Have a look what the booklet for
XYZ(41.6019, 50.8554, 12.5528)
contains.

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Color

**XYZ(41.6594, 51.0055,
12.6504)**

Conversions

Conversions Part 1

Format	Color
Hex	BCC541
RGB	188, 197, 65
RGB Percent	74%, 77%, 25%
CMY	0.2627, 0.2274, 0.7451
CMYK	0.05, 0.00, 0.67, 0.23
HSL	64°, 53%, 51%
HSV	64°, 67%, 77%
XYZ	41.6594, 51.0055, 12.6504
YIQ	179.2610, 37.0080, -42.9600

Conversions

Conversions Part 2

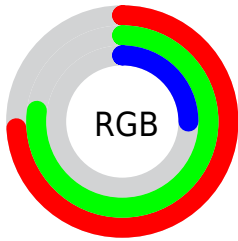
Format	Color
RYB	65, 197, 74
Decimal	12371265
CIELab	76.68, -19.69, 62.21
CIELCh	77, 65.247, 107.562
Yxy	51.0055, 0.3956, 0.4843
Android (android.graphics.Color)	4290561345 (0xFFBCC541)
YUV	179.2610, -56.3307, 7.6641
Hunter-Lab	71.4181, -20.8597, 39.4906

Details

The XYZ color **41.6594, 51.0055, 12.6504** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted chartreuse. A complement of this color would be **14.7940, 9.2688, 53.8358**, and the grayscale version is **43.2657, 45.5189, 49.5701**.

A 20% lighter version of the original color is **77.1897, 92.0138, 31.4614**, and **19.1825, 24.4702, 3.7122** is the 20% darker color. If you saturate the color by 10%, you get **40.8563, 50.6480, 10.1361**, and if you desaturate by 10%, it is **42.6670, 51.4488, 16.2148**.

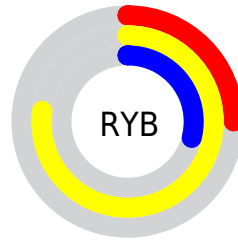
Distribution



Red (74%)

Green (77%)

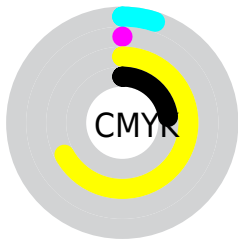
Blue (25%)



Red (25%)

Yellow (77%)

Blue (29%)

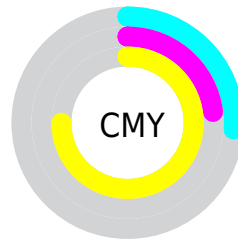


Cyan (5%)

Magenta (0%)

Yellow (67%)

Black (23%)



Cyan (26%)

Magenta (23%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6594, 51.0055, 12.6504 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 41.6594, 51.0055, 12.6504 by changing the saturation by 10% instead.

■ 41.6594, 51.0055,
12.6504

■ 41.6594, 51.0055,
12.6504

344.0848,
390.5852, 219.7934

■ 29.0246, 36.2130,
7.0604

■ 76.9523, 91.6629,
31.3562

■ 19.2438, 24.5987,
3.4209

■ 100.3411,
118.2966, 45.3090

■ 11.9516, 15.7784,
1.3133

■ 128.0453,
149.6461, 62.8866

■ 6.7827, 9.3674,
0.0727

■ 160.4303,
186.0959, 84.5073

■ 3.3717, 4.9816,
0.0000

■ 197.8614,
228.0302, 110.5898

■ 1.3532, 2.2365,
0.0000

240.7039,

■ 0.2225, 0.7398,

275.8337, 141.5527

0.0000

289.3232,
329.8905, 177.8143

■ 0.0000, 0.0000,
0.0000

■ 41.6594, 51.0055,
12.6504

■ 41.6594, 51.0055,
12.6504

■ 40.8563, 50.6480,
10.1361

■ 42.6670, 51.4488,
16.2148

■ 40.2322, 50.3607,
8.5543

■ 43.8941, 51.9785,
20.9243

■ 39.7591, 50.1341,
7.7508

■ 45.3585, 52.6034,
26.8668

■ 39.6304, 50.0715,
7.5760

■ 47.0749, 53.3295,
34.1206

■ 49.0571, 54.1622,
42.7578

■ 51.3178, 55.1067,
52.8450

■ 53.8689, 56.1677,
64.4447

■ 56.7214, 57.3497,
77.6157

■ 59.8860, 58.6568,
92.4136

Harmonies

Analogous

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



53.7775, 51.0055, 12.0724



41.6594, 51.0055, 12.6504



32.9771, 51.0055, 21.1177

Triad

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



41.6594, 51.0055, 12.6504



34.1521, 51.0055, 122.3895



75.5713, 51.0055, 71.5151

Complementary

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



41.6594, 51.0055, 12.6504



14.7940, 9.2688, 53.8358

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.



68.2072, 51.0055, 115.2510



41.6594, 51.0055, 12.6504



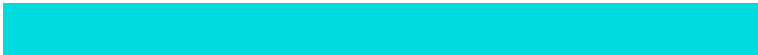
43.5409, 51.0055, 151.9761

Square

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



41.6594, 51.0055, 12.6504



29.1761, 51.0055, 78.6953



56.0054, 51.0055, 148.9176



74.8349, 51.0055, 37.4350

Rectangle

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



41.6594, 51.0055, 12.6504



29.6716, 51.0055, 33.4072



56.0054, 51.0055, 148.9176



73.9154, 51.0055, 85.7587

Sweetspot

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



41.6606, 51.0078, 12.6515



86.6305, 96.4857, 71.1844



26.4173, 17.1242, 6.9147



18.3249, 20.5605, 14.2876



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.



41.6606, 51.0078, 12.6515



72.6612, 90.4742, 16.7656



28.9768, 44.4691, 12.0579



11.4497, 12.3788, 11.3486



26.0939, 32.9472, 4.9842



1.2575, 1.5714, 0.2370

Inverse Universe

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



14.7940, 9.2688, 53.8358



21.4084, 10.7087, 95.5464



22.7515, 13.3711, 54.2082



10.1226, 10.3215, 13.3762



6.7686, 2.7236, 34.9133



0.3444, 0.1413, 1.6543

Previews

White Background



This preview shows how the XYZ color 41.6594, 51.0055, 12.6504 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 41.6594, 51.0055, 12.6504 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 41.6594, 51.0055, 12.6504

Background



This preview shows how black text looks on a background with the XYZ color 41.6594, 51.0055, 12.6504.



This preview shows how white text looks on a background with the XYZ color 41.6594, 51.0055,

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

41.6594, 51.0055, 12.6504

Protanopia

46.2462, 50.7511, 12.0611

Deuteranopia

52.0507, 50.9303, 13.0484



Tritanopia

51.5367, 50.8220, 61.1262

Trichromacy



Original Color

41.6594, 51.0055, 12.6504

Protanomaly

44.4037, 50.7659, 12.3090

Deuteranomaly

47.8465, 50.6076, 12.8767

Tritanomaly

46.4676, 50.3330, 36.1203

Monochromacy



Original Color

41.6594, 51.0055, 12.6504

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.4378, 46.8979, 30.9129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6594, 51.0055, 12.6504 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, 197, 65)` looks like.

```
.text, #text, p{  
    color:rgb(188, 197, 65)  
}
```

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, 197, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 197, 65) }
```

Border

The CSS property to change the border of an element to XYZ 41.6594, 51.0055, 12.6504 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, 197, 65) }
```


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

```
.border{ border-color:rgb(188, 197, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 197, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 197, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 197, 65);  
box-shadow:4px 4px 4px 4px rgb(188, 197,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6594, 51.0055, 12.6504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 197, 65) }
```

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

```
.background{ background-color: rgb(188,  
197, 65) }
```

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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