

Converting Colors

XYZ(40.2997, 48.2758, 16.5175)

Have a look what the booklet for
XYZ(40.2997, 48.2758, 16.5175)
contains.

XYZ(40.1594, 48.1565, 16.4110)	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(40.1594, 48.1565,
16.4110)**

Conversions

Conversions Part 1

Format	Color
Hex	B8BF58
RGB	184, 191, 88
RGB Percent	72%, 75%, 35%
CMY	0.2784, 0.2510, 0.6549
CMYK	0.04, 0.00, 0.54, 0.25
HSL	64°, 45%, 55%
HSV	64°, 54%, 75%
XYZ	40.1594, 48.1565, 16.4110
YIQ	177.1650, 28.8910, -33.5170

Conversions

Conversions Part 2

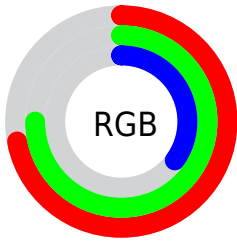
Format	Color
RYB	88, 191, 95
Decimal	12107608
CIELab	74.92, -16.72, 50.33
CIELCh	75, 53.034, 108.378
Yxy	48.1565, 0.3835, 0.4598
Android (android.graphics.Color)	4290297688 (0xFFB8BF58)
YUV	177.1650, -43.9583, 5.9943
Hunter-Lab	69.3949, -18.1416, 34.5551

Details

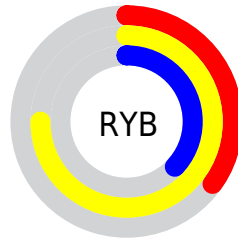
The XYZ color **40.1594, 48.1565, 16.4110** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **17.6146, 13.1750, 50.9077**, and the grayscale version is **42.0910, 44.2830, 48.2242**.

A 20% lighter version of the original color is **74.6864, 87.3219, 38.1177**, and **18.4451, 22.9654, 5.0507** is the 20% darker color. If you saturate the color by 10%, you get **39.1603, 47.7228, 12.7618**, and if you desaturate by 10%, it is **41.3709, 48.6790, 21.1539**.

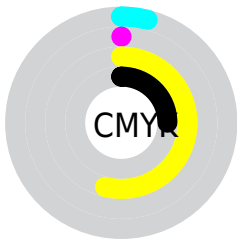
Distribution



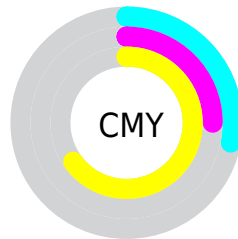
- Red (72%)
- Green (75%)
- Blue (35%)



- Red (35%)
- Yellow (75%)
- Blue (37%)



- Cyan (4%)
- Magenta (0%)
- Yellow (54%)
- Black (25%)



- Cyan (28%)
- Magenta (25%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1594, 48.1565, 16.4110 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 40.1594, 48.1565, 16.4110 by changing the saturation by 10% instead.

■ 40.1594, 48.1565,
16.4110

■ 40.1594, 48.1565,
16.4110

337.9179,
379.4121, 243.6828

■ 27.8476, 33.9508,
9.6580

■ 74.6890, 87.4374,
38.0869

■ 18.3507, 22.8558,
5.0701

■ 97.6375, 113.2814,
53.8469

■ 11.3033, 14.4871,
2.2290

■ 124.8623,
143.7736, 73.4463

■ 6.3400, 8.4602,
0.6910

■ 156.7287,
179.2985, 97.3036

■ 3.0955, 4.3908,
0.0000

193.6021,
220.2404, 125.8373

■ 1.2045, 1.8945,
0.0000

235.8479,

■ 0.1099, 0.5451,

266.9837, 159.4661

0.0000

283.8313,
319.9128, 198.6084

■ 0.0000, 0.0000,
0.0000

■ 40.1594, 48.1565,
16.4110

■ 40.1594, 48.1565,
16.4110

■ 39.1603, 47.7228,
12.7618

■ 41.3709, 48.6790,
21.1539

■ 38.3537, 47.3647,
10.1161

■ 42.8062, 49.2895,
27.0654

■ 37.7216, 47.0767,
8.3744

■ 44.4798, 49.9958,
34.2171

■ 37.2409, 46.8497,
7.4152

■ 46.4042, 50.8026,
42.6741

■ 36.9953, 46.7305,
7.0700

■ 48.5909, 51.7147,
52.4969

■ 51.0505, 52.7364,
63.7424

■ 53.7934, 53.8716,
76.4641

■ 56.8291, 55.1244,
90.7127

■ 59.3665, 56.1781,
102.3223

Harmonies

Analogous

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



49.6177, 48.1565, 15.6742



40.1594, 48.1565, 16.4110



33.2388, 48.1565, 24.4352

Triad

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



40.1594, 48.1565, 16.4110



34.5053, 48.1565, 103.1232



66.4906, 48.1565, 63.9023

Complementary

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



40.1594, 48.1565, 16.4110



17.6146, 13.1750, 50.9077

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.



61.1140, 48.1565, 96.3185



40.1594, 48.1565, 16.4110



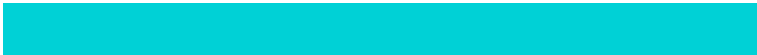
42.1290, 48.1565, 123.7386

Square

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



40.1594, 48.1565, 16.4110



30.3052, 48.1565, 71.0651



51.8831, 48.1565, 120.8841



65.7664, 48.1565, 37.3824

Rectangle

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



40.1594, 48.1565, 16.4110



30.5794, 48.1565, 35.1679



51.8831, 48.1565, 120.8841



65.3092, 48.1565, 74.5896

Sweetspot

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



40.1605, 48.1587, 16.4120



82.2624, 90.6298, 72.6864



27.3291, 19.9426, 11.6420



17.9030, 19.8340, 15.2506



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.



40.1605, 48.1587, 16.4120



69.8010, 85.3210, 21.7152



30.0091, 42.9254, 15.9369



10.2565, 11.0866, 10.1760



24.3390, 30.7231, 4.6473



0.9728, 1.2135, 0.1829

Inverse Universe

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



17.6146, 13.1750, 50.9077



25.2002, 16.0537, 90.0496



24.8145, 16.8867, 51.2447



9.0750, 9.2555, 11.9804



6.3149, 2.5415, 32.5506



0.2681, 0.1103, 1.2760

Previews

White Background



This preview shows how the XYZ color 40.1594, 48.1565, 16.4110 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 40.1594, 48.1565, 16.4110 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 40.1594, 48.1565, 16.4110

Background



This preview shows how black text looks on a background with the XYZ color 40.1594, 48.1565, 16.4110.



This preview shows how white text looks on a background with the XYZ color 40.1594, 48.1565,

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

40.1594, 48.1565, 16.4110

Protanopia

43.7220, 47.7902, 15.7241

Deuteranopia

48.9403, 47.7635, 16.7651



Tritanopia

48.5645, 48.1397, 57.7712

Trichromacy



Original Color

40.1594, 48.1565, 16.4110

Protanomaly

42.5166, 48.0991, 16.0600

Deuteranomaly

45.2762, 47.6520, 16.7090

Tritanomaly

44.5427, 47.7239, 37.8743

Monochromacy



Original Color

40.1594, 48.1565, 16.4110

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.6612, 45.2035, 33.3701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1594, 48.1565, 16.4110 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(184, 191, 88)` looks like.

```
.text, #text, p{  
    color:rgb(184, 191, 88)  
}
```

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(184, 191, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 191, 88) }
```

Border

The CSS property to change the border of an element to XYZ 40.1594, 48.1565, 16.4110 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(184, 191, 88) }
```


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

```
.border{ border-color:rgb(184, 191, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 191, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 191, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 191, 88);  
box-shadow:4px 4px 4px 4px rgb(184, 191,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1594, 48.1565, 16.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 191, 88) }
```

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

```
.background{ background-color: rgb(184,  
191, 88) }
```

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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