

Converting Colors

XYZ(47.7106, 65.1439, 7.7650)

Have a look what the booklet for
XYZ(47.7106, 65.1439, 7.7650)
contains.

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Color

**XYZ(48.1826, 65.2115,
10.0476)**

Conversions

Conversions Part 1

Format	Color
Hex	BDE200
RGB	189, 226, 0
RGB Percent	74%, 89%, 0%
CMY	0.2588, 0.1137, 0.9999
CMYK	0.16, 0.00, 1.00, 0.11
HSL	70°, 100%, 44%
HSV	70°, 100%, 89%
XYZ	48.1826, 65.2115, 10.0476
YIQ	189.1730, 50.4940, -78.1300

Conversions

Conversions Part 2

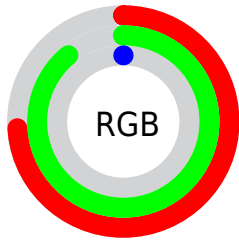
Format	Color
RYB	0, 226, 37
Decimal	12444160
CIELab	84.59, -34.91, 83.06
CIELCh	85, 90.096, 112.799
Yxy	65.2115, 0.3903, 0.5283
Android (android.graphics.Color)	4290634240 (0xFFBDE200)
YUV	189.1730, -93.2623, -0.1517
Hunter-Lab	80.7536, -34.8148, 49.1505

Details

The XYZ color **48.1826, 65.2115, 10.0476** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **14.4928, 5.8860, 72.3277**, and the grayscale version is **48.9696, 51.5199, 56.1051**.

A 20% lighter version of the original color is **76.6301, 92.3810, 23.2437**, and **23.7688, 33.8716, 5.2851** is the 20% darker color. If you saturate the color by 10%, you get **48.1827, 65.2137, 10.0480**, and if you desaturate by 10%, it is **49.2648, 65.7542, 10.8867**.

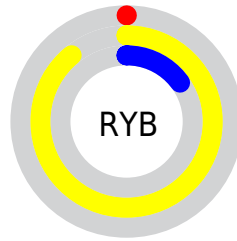
Distribution



Red (74%)

Green (89%)

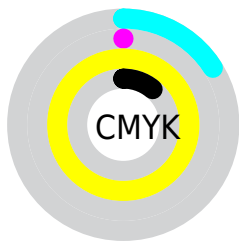
Blue (0%)



Red (0%)

Yellow (89%)

Blue (15%)

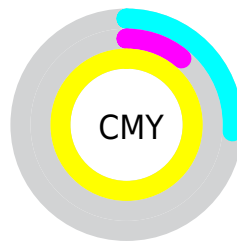


Cyan (16%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (26%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1826, 65.2115, 10.0476 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 48.1826, 65.2115, 10.0476 by changing the saturation by 10% instead.


 48.1826, 65.2115,
10.0476


 48.1826, 65.2115,
10.0476


370.0860,
443.5516, 201.5086


 34.1834, 47.6326,
5.3245


 86.6843, 112.3539,
26.4942

 23.1981, 33.5360,
2.3768


 111.9174,
142.6861, 39.0548


 14.8613, 22.5374,
0.7738


 141.6259,
178.0383, 55.0650

 8.8078, 14.2523,
0.0000

 176.1751,
218.7948, 74.9433

 4.6721, 8.2964,
0.0000

 215.9303,
265.3400, 99.1083

 2.0890, 4.2852,
0.0000

 261.2570,

 0.6832, 1.8343,

318.0582, 127.9785

0.0000

312.5204,
377.3340, 161.9724

■ 0.0000, 0.5084,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.1826, 65.2115,
10.0476

■ 48.1826, 65.2115,
10.0476

■ 48.1827, 65.2137,
10.0480

■ 49.2648, 65.7542,
10.8867

■ 50.5455, 66.3766,
12.6540

■ 52.0830, 67.1045,
15.6495

■ 53.9099, 67.9509,
20.0443

■ 56.0538, 68.9269,
25.9826

■ 58.5388, 70.0422,
33.5906

■ 61.3867, 71.3054,
42.9817

■ 64.6171, 72.7245,
54.2590

■ 68.2484, 74.3068,
67.5182

Harmonies

Analogous

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



66.9521, 65.2115, 8.0812



48.1826, 65.2115, 10.0476



36.0184, 65.2115, 22.9137

Triad

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



48.1826, 65.2115, 10.0476



41.4326, 65.2115, 200.6443



108.7603, 65.2115, 85.7979

Complementary

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



48.1826, 65.2115, 10.0476



14.4928, 5.8860, 72.3277

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.



98.1322, 65.2115, 161.1220



48.1826, 65.2115, 10.0476



57.2633, 65.2115, 247.0883

Square

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



48.1826, 65.2115, 10.0476



32.7499, 65.2115, 123.0941



78.1917, 65.2115, 229.6653



104.8595, 65.2115, 36.1774

Rectangle

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



48.1826, 65.2115, 10.0476



31.9136, 65.2115, 43.0502



78.1917, 65.2115, 229.6653



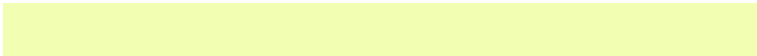
106.7026, 65.2115, 109.0126

Sweetspot

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



48.1841, 65.2145, 10.0490



80.6264, 93.7154, 56.2226



31.9359, 17.3096, 1.6588



16.9053, 19.9032, 10.8538



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.



48.1841, 65.2145, 10.0490



63.2704, 85.7021, 13.2075



30.4326, 56.0632, 9.2182



14.6399, 15.9100, 14.6061



27.5726, 37.2467, 5.7361



1.9707, 2.6124, 0.4004

Inverse Universe

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



14.4928, 5.8860, 72.3277



18.9950, 7.7072, 95.0942



25.7458, 11.6871, 72.8543



13.1601, 13.3506, 17.2710



8.3330, 3.3911, 41.2637



0.6422, 0.2683, 2.8632

Previews

White Background



This preview shows how the XYZ color 48.1826, 65.2115, 10.0476 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 48.1826, 65.2115, 10.0476 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 48.1826, 65.2115, 10.0476

Background



This preview shows how black text looks on a background with the XYZ color 48.1826, 65.2115, 10.0476.



This preview shows how white text looks on a background with the XYZ color 48.1826, 65.2115,

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

48.1826, 65.2115, 10.0476

Protanopia

58.5542, 64.7657, 9.4149

Deuteranopia

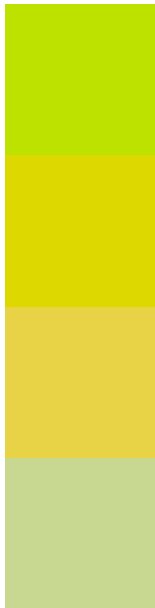
65.1208, 64.6052, 23.5058



Tritanopia

62.6438, 64.9046, 81.8992

Trichromacy



Original Color

48.1826, 65.2115, 10.0476

Protanomaly

54.0711, 64.3274, 9.5666

Deuteranomaly

57.3234, 64.0071, 14.9636

Tritanomaly

53.4093, 63.4047, 35.8089

Monochromacy



Original Color

48.1826, 65.2115, 10.0476

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

45.4970, 54.4159, 25.8747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1826, 65.2115, 10.0476 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(189, 226, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 226, 0)  
}
```

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(189, 226, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 226, 0) }
```

Border

The CSS property to change the border of an element to XYZ 48.1826, 65.2115, 10.0476 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(189, 226, 0) }
```


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

```
.border{ border-color:rgb(189, 226, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 226, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 226, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 226, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 226,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1826, 65.2115, 10.0476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 226, 0) }
```

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

```
.background{ background-color: rgb(189,  
226, 0) }
```

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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