

Converting Colors

XYZ(48.5660, 65.5459, 9.5314)

Have a look what the booklet for
XYZ(48.5660, 65.5459, 9.5314)
contains.

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Color

**XYZ(48.6822, 65.4691,
10.0710)**

Conversions

Conversions Part 1

Format	Color
Hex	BFE200
RGB	191, 226, 0
RGB Percent	75%, 89%, 0%
CMY	0.2510, 0.1137, 0.9999
CMYK	0.15, 0.00, 1.00, 0.11
HSL	69°, 100%, 44%
HSV	69°, 100%, 89%
XYZ	48.6822, 65.4691, 10.0710
YIQ	189.7710, 51.6860, -77.7060

Conversions

Conversions Part 2

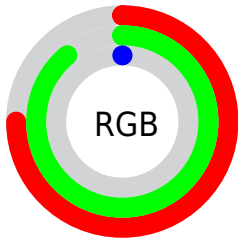
Format	Color
RYB	0, 226, 35
Decimal	12575232
CIELab	84.72, -34.11, 83.22
CIELCh	85, 89.935, 112.288
Yxy	65.4691, 0.3919, 0.5270
Android (android.graphics.Color)	4290765312 (0xFFBFE200)
YUV	189.7710, -93.5571, 1.0778
Hunter-Lab	80.9130, -34.2012, 49.2594

Details

The XYZ color **48.6822, 65.4691, 10.0710** 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 **14.4230, 5.8500, 72.3245**, and the grayscale version is **49.3159, 51.8842, 56.5019**.

A 20% lighter version of the original color is **77.3468, 92.7505, 23.2772**, and **24.0786, 34.0314, 5.2996** is the 20% darker color. If you saturate the color by 10%, you get **48.6823, 65.4714, 10.0714**, and if you desaturate by 10%, it is **49.7256, 65.9918, 10.9083**.

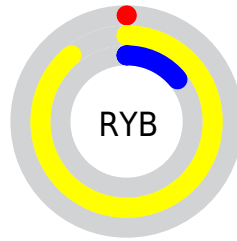
Distribution



Red (75%)

Green (89%)

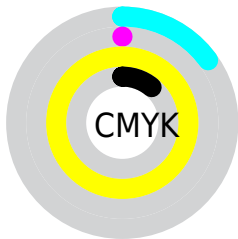
Blue (0%)



Red (0%)

Yellow (89%)

Blue (14%)

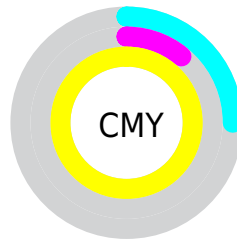


Cyan (15%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (25%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6822, 65.4691, 10.0710 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 48.6822, 65.4691, 10.0710 by changing the saturation by 10% instead.


 48.6822, 65.4691,
10.0710


 48.6822, 65.4691,
10.0710


372.0276,
444.4758, 201.6813

 34.5809, 47.8416,
5.3398


 87.4228, 112.7240,
26.5389

 23.5052, 33.7014,
2.3858


 112.7929,
143.1202, 39.1126

 15.0898, 22.6643,
0.7787


 142.6500,
178.5413, 55.1377

 8.9691, 14.3458,
0.0000

 177.3594,
219.3719, 75.0326

 4.7780, 8.3616,
0.0000

 217.2865,
265.9962, 99.2159

 2.1510, 4.3272,
0.0000

 262.7967,

 0.7167, 1.8582,

318.7987, 128.1060

0.0000

314.2553,
378.1638, 162.1216

■ 0.0000, 0.5231,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.6822, 65.4691,
10.0710

■ 48.6822, 65.4691,
10.0710

■ 48.6823, 65.4714,
10.0714

■ 49.7256, 65.9918,
10.9083

■ 50.9651, 66.5930,
12.6737

■ 52.4589, 67.2983,
15.6672

■ 54.2397, 68.1210,
20.0598

■ 56.3350, 69.0720,
25.9959

■ 58.7690, 70.1609,
33.6016

■ 61.5632, 71.3964,
42.9902

■ 64.7374, 72.7865,
54.2649

■ 68.3099, 74.3385,
67.5214

Harmonies

Analogous

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



67.5610, 65.4691, 8.2242



48.6822, 65.4691, 10.0710



36.3740, 65.4691, 22.7349

Triad

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



48.6822, 65.4691, 10.0710



41.4431, 65.4691, 199.6923



108.9510, 65.4691, 87.2023

Complementary

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



48.6822, 65.4691, 10.0710



14.4230, 5.8500, 72.3245

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.



98.1052, 65.4691, 162.7528



48.6822, 65.4691, 10.0710



57.1803, 65.4691, 246.9849

Square

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



48.6822, 65.4691, 10.0710



32.8656, 65.4691, 122.0778



78.0751, 65.4691, 230.7039



105.3035, 65.4691, 36.9913

Rectangle

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



48.6822, 65.4691, 10.0710



32.1803, 65.4691, 42.6217



78.0751, 65.4691, 230.7039



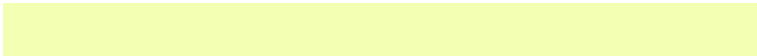
106.8105, 65.4691, 110.5641

Sweetspot

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



48.6837, 65.4721, 10.0724



80.8598, 93.8357, 56.2335



31.9359, 17.3096, 1.6588



16.9618, 19.9323, 10.8564



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.



48.6837, 65.4721, 10.0724



63.9305, 86.0424, 13.2384



30.4327, 56.0633, 9.2182



14.6523, 15.9164, 14.6067



27.8540, 37.3918, 5.7493



1.9877, 2.6212, 0.4012

Inverse Universe

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



14.4230, 5.8500, 72.3245



18.9059, 7.6612, 95.0901



25.7459, 11.6871, 72.8544



13.1488, 13.3447, 17.2705



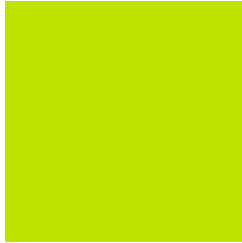
8.2903, 3.3691, 41.2617



0.6368, 0.2656, 2.8629

Previews

White Background



This preview shows how the XYZ color 48.6822, 65.4691, 10.0710 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 48.6822, 65.4691, 10.0710 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 48.6822, 65.4691, 10.0710

Background



This preview shows how black text looks on a background with the XYZ color 48.6822, 65.4691, 10.0710.



This preview shows how white text looks on a background with the XYZ color 48.6822, 65.4691,

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

48.6822, 65.4691, 10.0710

Protanopia

58.8034, 65.2641, 9.4980

Deuteranopia

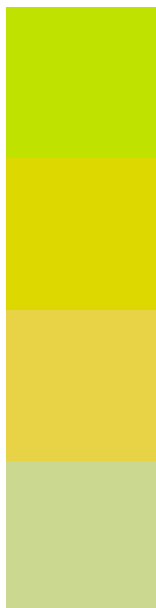
65.4652, 65.1196, 24.1579



Tritanopia

63.2062, 65.1945, 81.9255

Trichromacy



Original Color

48.6822, 65.4691, 10.0710

Protanomaly

54.6316, 64.9979, 9.6664

Deuteranomaly

57.7103, 64.1993, 15.3113

Tritanomaly

53.9470, 63.6819, 35.8341

Monochromacy



Original Color

48.6822, 65.4691, 10.0710

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

46.0423, 55.0395, 26.2862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6822, 65.4691, 10.0710 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(191, 226, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 226, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 226, 0) }
```

Border

The CSS property to change the border of an element to XYZ 48.6822, 65.4691, 10.0710 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(191, 226, 0) }
```


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

```
.border{ border-color:rgb(191, 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(191, 226, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 226, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 226, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 226,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6822, 65.4691, 10.0710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 226, 0) }
```

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

```
.background{ background-color: rgb(191,  
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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