

Converting Colors

XYZ(48.2912, 66.2362, 11.2502)

Have a look what the booklet for
XYZ(48.2912, 66.2362, 11.2502)
contains.

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Color

**XYZ(48.1909, 66.0050,
11.2372)**

Conversions

Conversions Part 1

Format	Color
Hex	BAE41B
RGB	186, 228, 27
RGB Percent	73%, 89%, 11%
CMY	0.2706, 0.1059, 0.8941
CMYK	0.18, 0.00, 0.88, 0.11
HSL	73°, 79%, 50%
HSV	73°, 88%, 89%
XYZ	48.1909, 66.0050, 11.2372
YIQ	192.5280, 39.4890, -71.4150

Conversions

Conversions Part 2

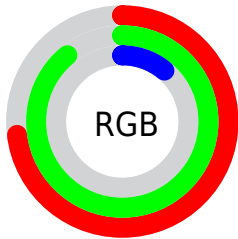
Format	Color
R _Y B	27, 228, 69
Decimal	12248091
CIE Lab	85.00, -36.64, 80.32
CIE LCh	85, 88.286, 114.521
Yxy	66.0050, 0.3842, 0.5262
Android (android.graphics.Color)	4290438171 (0xFFBAE41B)
YUV	192.5280, -81.6053, -5.7251
Hunter-Lab	81.2435, -36.2958, 48.6697

Details

The XYZ color **48.1909, 66.0050, 11.2372** 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 **16.8523, 7.6522, 73.9915**, and the grayscale version is **50.8612, 53.5099, 58.2723**.

A 20% lighter version of the original color is **75.9237, 91.9759, 25.0608**, and **23.6546, 34.0942, 5.3341** is the 20% darker color. If you saturate the color by 10%, you get **46.8790, 65.3511, 10.2642**, and if you desaturate by 10%, it is **49.7433, 66.7643, 13.2618**.

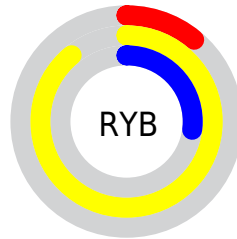
Distribution



Red (73%)

Green (89%)

Blue (11%)



Red (11%)

Yellow (89%)

Blue (27%)

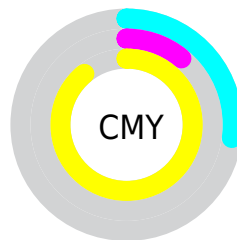


Cyan (18%)

Magenta (0%)

Yellow (88%)

Black (11%)



Cyan (27%)


Magenta (11%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1909, 66.0050, 11.2372 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 48.1909, 66.0050, 11.2372 by changing the saturation by 10% instead.


 48.1909, 66.0050,
11.2372


 48.1909, 66.0050,
11.2372


370.1183,
446.3948, 210.0832


 34.1900, 48.2765,
6.1104


 86.6965, 113.4935,
28.7413


 23.2032, 34.0459,
2.8425


 111.9320,
144.0223, 41.9557


 14.8651, 22.9288,
1.0148


 141.6429,
179.5866, 58.7031

 8.8105, 14.5410,
0.0000

 176.1948,
220.5708, 79.4019

 4.6739, 8.4979,
0.0000

 215.9529,
267.3593, 104.4708

 2.0900, 4.4151,
0.0000

 261.2826,

 0.6838, 1.9084,

320.3366, 134.3283

0.0000

312.5493,
379.8869, 169.3930

■ 0.0000, 0.5534,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.1909, 66.0050,
11.2372

■ 48.1909, 66.0050,
11.2372

■ 46.8790, 65.3511,
10.2642


■ 49.7433, 66.7643,
13.2618


■ 46.6497, 65.2355,
10.1330


■ 51.5776, 67.6385,
16.5738

■ 53.7277, 68.6436,
21.3437


■ 56.2212, 69.7906,
27.7149

 59.0825, 71.0894,
35.8136

 62.3335, 72.5487,
45.7536

 65.9942, 74.1766,
57.6389

 70.0834, 75.9806,
71.5657

 74.6183, 77.9677,
87.6238

Harmonies

Analogous

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



66.4511, 66.0050, 8.7338



48.1909, 66.0050, 11.2372



36.5049, 66.0050, 25.2621

Triad

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



48.1909, 66.0050, 11.2372



43.0881, 66.0050, 202.6905



108.9152, 66.0050, 82.8186

Complementary

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



48.1909, 66.0050, 11.2372



16.8523, 7.6522, 73.9915

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.



99.2324, 66.0050, 155.8125



48.1909, 66.0050, 11.2372



59.1616, 66.0050, 244.8311

Square

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



48.1909, 66.0050, 11.2372



34.0233, 66.0050, 127.4503



79.9472, 66.0050, 224.2464



104.2624, 66.0050, 35.3779

Rectangle

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



48.1909, 66.0050, 11.2372



32.6729, 66.0050, 46.4644



79.9472, 66.0050, 224.2464



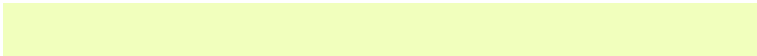
107.1766, 66.0050, 105.1668

Sweetspot

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



48.1924, 66.0080, 11.2386



81.2375, 93.9072, 61.8178



34.2144, 20.6137, 3.2133



17.0552, 19.9513, 12.1792



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.



48.1924, 66.0080, 11.2386



60.0377, 84.0356, 13.0562



31.9025, 57.6102, 10.4762



15.2912, 16.6572, 15.3137



27.0377, 37.7199, 5.8556



2.0722, 2.8256, 0.4362

Inverse Universe

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



16.8523, 7.6522, 73.9915



19.5337, 7.9849, 95.1194



30.4830, 14.6791, 74.6294



13.8629, 14.0315, 18.1220



8.8602, 3.6335, 42.6175



0.7311, 0.3079, 3.1529

Previews

White Background



This preview shows how the XYZ color 48.1909, 66.0050, 11.2372 looks on a white background.

Color Contrast Check

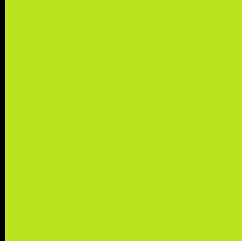
Large Text (above 18pt) WCAG AA × Fail

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 48.1909, 66.0050, 11.2372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

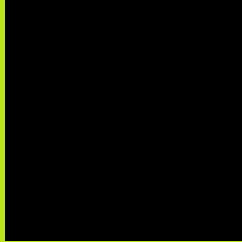
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1909, 66.0050, 11.2372

Background



This preview shows how black text looks on a background with the XYZ color 48.1909, 66.0050, 11.2372.



This preview shows how white text looks on a background with the XYZ color 48.1909, 66.0050,

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

48.1909, 66.0050, 11.2372

Protanopia

59.2754, 65.4918, 10.2265

Deuteranopia

65.6904, 65.2097, 25.3441



Tritanopia

62.8632, 65.7232, 83.5014

Trichromacy



Original Color

48.1909, 66.0050, 11.2372

Protanomaly

54.7413, 65.4203, 10.5528

Deuteranomaly

57.7379, 64.5345, 17.5969

Tritanomaly

54.3609, 64.5489, 41.0465

Monochromacy



Original Color

48.1909, 66.0050, 11.2372

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

47.5401, 56.7832, 30.6449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1909, 66.0050, 11.2372 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(186, 228, 27)` looks like.

```
.text, #text, p{  
    color:rgb(186, 228, 27)  
}
```

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(186, 228, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 228, 27) }
```

Border

The CSS property to change the border of an element to XYZ 48.1909, 66.0050, 11.2372 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(186, 228, 27) }
```


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

```
.border{ border-color:rgb(186, 228, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 228, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 228, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 228, 27);  
box-shadow:4px 4px 4px 4px rgb(186, 228,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1909, 66.0050, 11.2372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 228, 27) }
```

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

```
.background{ background-color: rgb(186,  
228, 27) }
```

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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