

Converting Colors

XYZ(46.9121, 67.3605, 10.5293)

Have a look what the booklet for
XYZ(46.9121, 67.3605, 10.5293)
contains.

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Color

**XYZ(47.0434, 67.5079,
10.5509)**

Conversions

Conversions Part 1

Format	Color
Hex	B0E900
RGB	176, 233, 0
RGB Percent	69%, 91%, 0%
CMY	0.3098, 0.0863, 0.9999
CMYK	0.24, 0.00, 1.00, 0.09
HSL	75°, 100%, 46%
HSV	75°, 100%, 91%
XYZ	47.0434, 67.5079, 10.5509
YIQ	189.3950, 40.8210, -84.5470

Conversions

Conversions Part 2

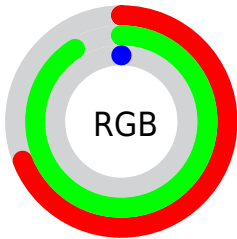
Format	Color
RYB	0, 233, 57
Decimal	11593984
CIELab	85.76, -43.11, 83.59
CIELCh	86, 94.048, 117.283
Yxy	67.5079, 0.3760, 0.5396
Android (android.graphics.Color)	4289784064 (0xFFB0E900)
YUV	189.3950, -93.3717, -11.7474
Hunter-Lab	82.1632, -41.5835, 49.9006

Details

The XYZ color **47.0434, 67.5079, 10.5509** 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 **16.3987, 6.7552, 77.5343**, and the grayscale version is **49.1023, 51.6594, 56.2571**.

A 20% lighter version of the original color is **72.1975, 90.0911, 23.2570**, and **23.0583, 35.2262, 5.5840** is the 20% darker color. If you saturate the color by 10%, you get **47.0429, 67.5099, 10.5513**, and if you desaturate by 10%, it is **48.5192, 68.2527, 11.4451**.

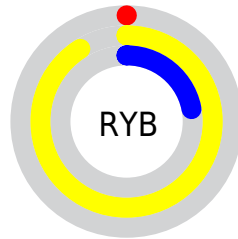
Distribution



Red (69%)

Green (91%)

Blue (0%)



Red (0%)

Yellow (91%)

Blue (22%)

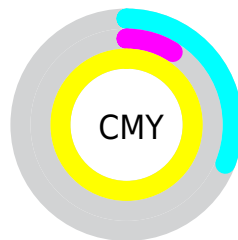


Cyan (24%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (31%)


Magenta (9%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0434, 67.5079, 10.5509 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 47.0434, 67.5079, 10.5509 by changing the saturation by 10% instead.


 47.0434, 67.5079,
10.5509

 47.0434, 67.5079,
10.5509


365.6338,
451.7505, 205.1856

 33.2781, 49.4975,
5.6554


 84.9967, 115.6479,
27.4505


 22.4998, 35.0143,
2.5713


 109.9155,
146.5462, 40.2917


 14.3433, 23.6739,
0.8776


 139.2827,
182.5094, 56.6184

 8.4431, 15.0919,
0.0000

 173.4638,
223.9217, 76.8494

 4.4339, 8.8839,
0.0000

 212.8241,
271.1676, 101.4030

 1.9504, 4.6655,
0.0000

 257.7289,

 0.6059, 2.0524,

324.6314, 130.6979

0.0000

308.5437,
384.6976, 165.1526

■ 0.0000, 0.6376,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.0434, 67.5079,
10.5509

■ 47.0434, 67.5079,
10.5509

■ 47.0429, 67.5099,
10.5513

■ 48.5192, 68.2527,
11.4451

■ 50.2382, 69.0987,
13.3404

■ 52.2626, 70.0733,
16.5545

■ 54.6281, 71.1908,
21.2726

■ 57.3649, 72.4633,
27.6502

■ 60.4995, 73.9016,
35.8235

■ 64.0556, 75.5152,
45.9145

■ 68.0550, 77.3128,
58.0345

■ 72.5177, 79.3026,
72.2866

Harmonies

Analogous

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



66.1405, 67.5079, 7.3695



47.0434, 67.5079, 10.5509



35.3263, 67.5079, 26.3387

Triad

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



47.0434, 67.5079, 10.5509



44.3417, 67.5079, 224.5526



114.8520, 67.5079, 79.2511

Complementary

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



47.0434, 67.5079, 10.5509



16.3987, 6.7552, 77.5343

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.



105.5313, 67.5079, 157.6906



47.0434, 67.5079, 10.5509



62.2277, 67.5079, 266.0811

Square

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



47.0434, 67.5079, 10.5509



34.0283, 67.5079, 142.0928



85.0041, 67.5079, 236.5567



108.2807, 67.5079, 31.5442

Rectangle

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



47.0434, 67.5079, 10.5509



31.7368, 67.5079, 50.4335



85.0041, 67.5079, 236.5567



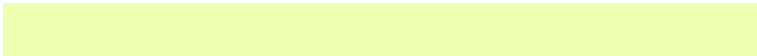
113.4336, 67.5079, 102.7166

Sweetspot

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



47.0449, 67.5109, 10.5523



78.5317, 92.6355, 56.1246



34.9437, 19.9997, 2.0195



16.4002, 19.6428, 10.8301



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.



47.0449, 67.5109, 10.5523



57.6515, 82.8055, 12.9445



31.1372, 59.3102, 9.8079



15.9710, 17.4306, 16.0414



26.8095, 38.3653, 5.9922



2.1909, 3.0568, 0.4745

Inverse Universe

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



16.3987, 6.7552, 77.5343



20.0615, 8.2570, 95.1441



31.4774, 14.5286, 78.2400



14.5764, 14.7269, 18.9966



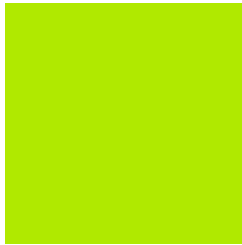
9.3973, 3.8804, 43.9967



0.8228, 0.3485, 3.4588

Previews

White Background



This preview shows how the XYZ color 47.0434, 67.5079, 10.5509 looks on a white background.

Color Contrast Check

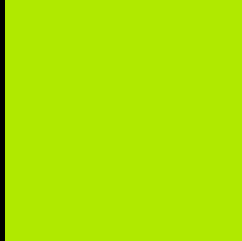
Large Text (above 18pt) WCAG AA × Fail

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 47.0434, 67.5079, 10.5509 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 47.0434, 67.5079, 10.5509

Background



This preview shows how black text looks on a background with the XYZ color 47.0434, 67.5079, 10.5509.



This preview shows how white text looks on a background with the XYZ color 47.0434, 67.5079,

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

47.0434, 67.5079, 10.5509

Protanopia

60.3222, 66.7939, 9.7132

Deuteranopia

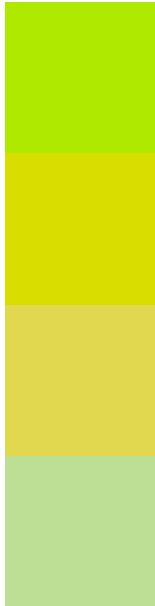
66.9494, 66.8578, 28.4450



Tritanopia

62.6901, 67.4365, 87.5543

Trichromacy



Original Color

47.0434, 67.5079, 10.5509

Protanomaly

54.4717, 66.4646, 9.9580

Deuteranomaly

57.3312, 65.8450, 17.0848

Tritanomaly

52.7988, 65.7641, 38.3447

Monochromacy



Original Color

47.0434, 67.5079, 10.5509

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

44.9887, 55.2091, 26.0546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0434, 67.5079, 10.5509 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(176, 233, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 233, 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(176, 233, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 233, 0) }
```

Border

The CSS property to change the border of an element to XYZ 47.0434, 67.5079, 10.5509 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(176, 233, 0) }
```


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

```
.border{ border-color:rgb(176, 233, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 233, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 233, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 233, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 233,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0434, 67.5079, 10.5509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 233, 0) }
```

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

```
.background{ background-color: rgb(176,  
233, 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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