

Converting Colors

XYZ(48.0984, 66.5954, 10.3192)

Have a look what the booklet for
XYZ(48.0984, 66.5954, 10.3192)
contains.

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Color

**XYZ(48.3044, 66.9079,
10.3686)**

Conversions

Conversions Part 1

Format	Color
Hex	B9E600
RGB	185, 230, 0
RGB Percent	73%, 90%, 0%
CMY	0.2745, 0.0980, 0.9999
CMYK	0.20, 0.00, 1.00, 0.10
HSL	72°, 100%, 45%
HSV	72°, 100%, 90%
XYZ	48.3044, 66.9079, 10.3686
YIQ	190.3250, 47.0100, -81.0700

Conversions

Conversions Part 2

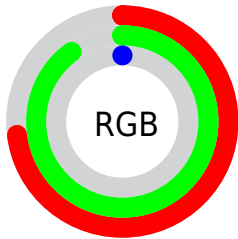
Format	Color
RYB	0, 230, 45
Decimal	12183040
CIELab	85.46, -38.30, 83.60
CIELCh	85, 91.954, 114.618
Yxy	66.9079, 0.3846, 0.5328
Android (android.graphics.Color)	4290373120 (0xFFB9E600)
YUV	190.3250, -93.8302, -4.6700
Hunter-Lab	81.7972, -37.7341, 49.7425

Details

The XYZ color **48.3044, 66.9079, 10.3686** 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 **15.3679, 6.2729, 75.2677**, and the grayscale version is **49.6404, 52.2256, 56.8736**.

A 20% lighter version of the original color is **75.2194, 91.6537, 23.1777**, and **23.7402, 34.7077, 5.4480** is the 20% darker color. If you saturate the color by 10%, you get **48.3043, 66.9101, 10.3690**, and if you desaturate by 10%, it is **49.5640, 67.5416, 11.2368**.

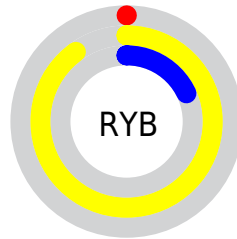
Distribution



Red (73%)

Green (90%)

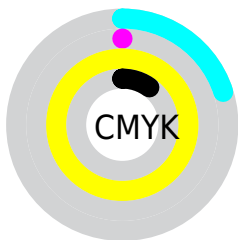
Blue (0%)



Red (0%)

Yellow (90%)

Blue (18%)

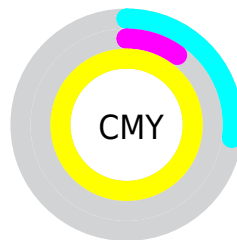


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (27%)


Magenta (10%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3044, 66.9079, 10.3686 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 48.3044, 66.9079, 10.3686 by changing the saturation by 10% instead.


 48.3044, 66.9079,
10.3686


 48.3044, 66.9079,
10.3686


370.5600,
449.6169, 203.8624

 34.2803, 49.0098,
5.5352


 86.8644, 114.7884,
27.1051

 23.2729, 34.6272,
2.5004


 112.1310,
145.5396, 39.8453


 14.9169, 23.3759,
0.8404


 141.8758,
181.3440, 56.0583

 8.8471, 14.8713,
0.0000

 176.4641,
222.5859, 76.1625

 4.6979, 8.7291,
0.0000

 216.2613,
269.6497, 100.5764

 2.1040, 4.5649,
0.0000

 261.6328,

 0.6914, 1.9943,

322.9199, 129.7187

0.0000

312.9439,
382.7808, 164.0079

■ 0.0000, 0.6042,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.3044, 66.9079,
10.3686

■ 48.3044, 66.9079,
10.3686

■ 48.3043, 66.9101,
10.3690

■ 49.5640, 67.5416,
11.2368

■ 51.0407, 68.2637,
13.0742

■ 52.7951, 69.1010,
16.1908

■ 54.8613, 70.0670,
20.7657

■ 57.2684, 71.1736,
26.9495

■ 60.0416, 72.4307,
34.8739

■ 63.2037, 73.8475,
44.6573

■ 66.7754, 75.4324,
56.4075

■ 70.7759, 77.1931,
70.2242

Harmonies

Analogous

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



67.4316, 66.9079, 7.8891



48.3044, 66.9079, 10.3686



36.1742, 66.9079, 24.5220

Triad

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



48.3044, 66.9079, 10.3686



43.0792, 66.9079, 212.3994



112.4766, 66.9079, 84.1681

Complementary

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



48.3044, 66.9079, 10.3686



15.3679, 6.2729, 75.2677

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.



102.2276, 66.9079, 161.6773



48.3044, 66.9079, 10.3686



59.9048, 66.9079, 257.5366

Square

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



48.3044, 66.9079, 10.3686



33.6519, 66.9079, 131.9534



81.8108, 66.9079, 235.1608



107.4787, 66.9079, 34.7084

Rectangle

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



48.3044, 66.9079, 10.3686



32.2272, 66.9079, 46.4283



81.8108, 66.9079, 235.1608



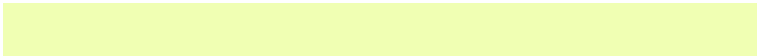
110.6437, 66.9079, 107.7732

Sweetspot

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



48.3059, 66.9109, 10.3700



79.7912, 93.2848, 56.1835



33.4699, 18.4936, 1.8065



16.7036, 19.7992, 10.8443



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.



48.3059, 66.9109, 10.3700



60.9634, 84.5128, 13.0995



31.0353, 58.0076, 9.5618



15.3107, 16.6673, 15.3146



27.4463, 37.9305, 5.8748



2.0990, 2.8395, 0.4374

Inverse Universe

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



15.3679, 6.2729, 75.2677



19.3606, 7.8957, 95.1113



28.2239, 12.9004, 75.8694



13.8448, 14.0222, 18.1212



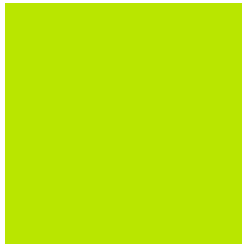
8.7770, 3.5906, 42.6136



0.7225, 0.3034, 3.1525

Previews

White Background



This preview shows how the XYZ color 48.3044, 66.9079, 10.3686 looks on a white background.

Color Contrast Check

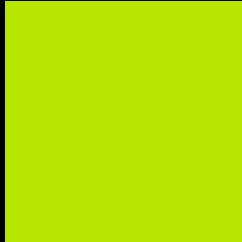
Large Text (above 18pt) WCAG AA × Fail

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 48.3044, 66.9079, 10.3686 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 48.3044, 66.9079, 10.3686

Background



This preview shows how black text looks on a background with the XYZ color 48.3044, 66.9079, 10.3686.



This preview shows how white text looks on a background with the XYZ color 48.3044, 66.9079,

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

48.3044, 66.9079, 10.3686

Protanopia

59.7294, 66.1138, 9.6132

Deuteranopia

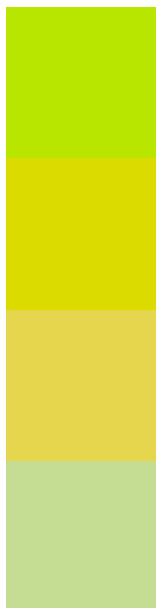
66.5225, 66.3031, 27.3808



Tritanopia

63.3722, 66.7000, 85.1356

Trichromacy



Original Color

48.3044, 66.9079, 10.3686

Protanomaly

54.8467, 65.8787, 9.8251

Deuteranomaly

58.0192, 65.4520, 16.5967

Tritanomaly

53.8856, 65.1633, 37.3415

Monochromacy



Original Color

48.3044, 66.9079, 10.3686

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

46.0215, 55.7345, 26.4214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3044, 66.9079, 10.3686 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(185, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(185, 230, 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(185, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 230, 0) }
```

Border

The CSS property to change the border of an element to XYZ 48.3044, 66.9079, 10.3686 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(185, 230, 0) }
```


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

```
.border{ border-color:rgb(185, 230, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 230, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 230, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 230, 0);  
box-shadow:4px 4px 4px 4px rgb(185, 230,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3044, 66.9079, 10.3686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 230, 0) }
```

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

```
.background{ background-color: rgb(185,  
230, 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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