

Converting Colors

XYZ(48.9399, 68.4851, 14.6480)

Have a look what the booklet for
XYZ(48.9399, 68.4851, 14.6480)
contains.

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Color

**XYZ(48.9587, 68.4071,
14.6265)**

Conversions

Conversions Part 1

Format	Color
Hex	B5E93A
RGB	181, 233, 58
RGB Percent	71%, 91%, 23%
CMY	0.2902, 0.0863, 0.7725
CMYK	0.22, 0.00, 0.75, 0.09
HSL	78°, 80%, 57%
HSV	78°, 75%, 91%
XYZ	48.9587, 68.4071, 14.6265
YIQ	197.5020, 25.1830, -65.4490

Conversions

Conversions Part 2

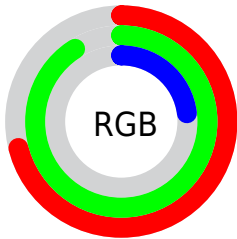
Format	Color
RYB	58, 233, 110
Decimal	11921722
CIELab	86.21, -39.75, 73.79
CIELCh	86, 83.821, 118.311
Yxy	68.4071, 0.3709, 0.5183
Android (android.graphics.Color)	4290111802 (0xFFB5E93A)
YUV	197.5020, -68.7745, -14.4723
Hunter-Lab	82.7086, -39.0783, 47.4109

Details

The XYZ color **48.9587, 68.4071, 14.6265** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed chartreuse. A complement of this color would be **22.6542, 12.2262, 78.2607**, and the grayscale version is **53.7693, 56.5695, 61.6042**.

A 20% lighter version of the original color is **74.9652, 91.3533, 30.8214**, and **23.8905, 35.6552, 5.6230** is the 20% darker color. If you saturate the color by 10%, you get **46.9118, 67.4078, 12.1059**, and if you desaturate by 10%, it is **51.3575, 69.5613, 18.5651**.

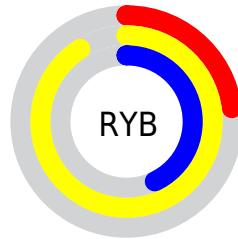
Distribution



Red (71%)

Green (91%)

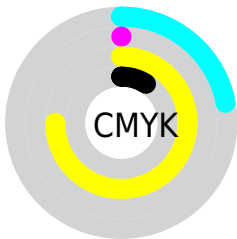
Blue (23%)



Red (23%)

Yellow (91%)

Blue (43%)

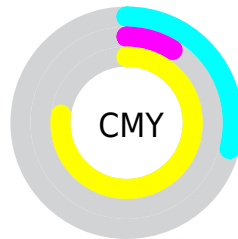


Cyan (22%)

Magenta (0%)

Yellow (75%)

Black (9%)



Cyan (29%)

Magenta (9%)

Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9587, 68.4071, 14.6265 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 48.9587, 68.4071, 14.6265 by changing the saturation by 10% instead.


 48.9587, 68.4071,
14.6265


 48.9587, 68.4071,
14.6265


373.0994,
454.9370, 232.6566


 34.8011, 50.2290,
8.4140


 87.8312, 116.9343,
34.9296


 23.6755, 35.5954,
4.2694


 113.2768,
148.0523, 49.8572


 15.2165, 24.1219,
1.7743


 143.2159,
184.2523, 68.5270

 9.0588, 15.4240,
0.4109

 178.0136,
225.9187, 91.3574

 4.8370, 9.1175,
0.0000

 218.0355,
273.4360, 118.7671

 2.1857, 4.8179,
0.0000

263.6469,

 0.7352, 2.1408,

327.1886, 151.1745

0.0000

315.2130,
387.5608, 188.9981

0.0000, 0.6874,
0.0000

0.0000, 0.0000,
0.0000

48.9587, 68.4071,
14.6265

48.9587, 68.4071,
14.6265

46.9118, 67.4078,
12.1059

51.3575, 69.5613,
18.5651

45.1714, 66.5379,
10.7914

54.1367, 70.8747,
24.0862

44.4010, 66.1480,
10.4277

57.3264, 72.3619,
31.3365

60.9523, 74.0333,
40.4447

65.0375, 75.8982,
51.5275

69.6034, 77.9654,
64.6919

74.6699, 80.2428,
80.0371

80.2556, 82.7382,
97.6561

84.2630, 84.6125,
106.4984

Harmonies

Analogous

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



66.1187, 68.4071, 10.7507



48.9587, 68.4071, 14.6265



38.2767, 68.4071, 31.4404

Triad

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



48.9587, 68.4071, 14.6265



47.4076, 68.4071, 206.4653



109.6162, 68.4071, 77.6598

Complementary

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



48.9587, 68.4071, 14.6265



22.6542, 12.2262, 78.2607

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.



101.9860, 68.4071, 145.4273



48.9587, 68.4071, 14.6265



63.9314, 68.4071, 239.2373

Square

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



48.9587, 68.4071, 14.6265



37.5137, 68.4071, 137.1164



84.2554, 68.4071, 212.7075



103.4695, 68.4071, 34.5928

Rectangle

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



48.9587, 68.4071, 14.6265



35.0275, 68.4071, 54.9595



84.2554, 68.4071, 212.7075



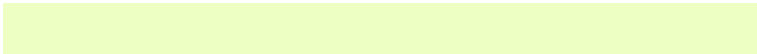
108.5523, 68.4071, 98.1578

Sweetspot

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



48.9603, 68.4102, 14.6280



80.8795, 93.6243, 66.2422



39.6894, 28.2690, 7.3685



16.8986, 19.8518, 13.0206



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.



48.9603, 68.4102, 14.6280



56.3848, 82.1316, 13.8294



34.7202, 61.0691, 13.9615



15.8908, 17.3892, 16.0376



25.3231, 37.5990, 5.9227



2.0843, 3.0018, 0.4696

Inverse Universe

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



22.6542, 12.2262, 78.2607



22.9941, 10.3008, 95.3841



38.7509, 20.5243, 79.0141



14.6519, 14.7658, 19.0001



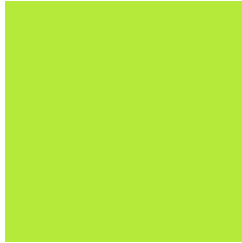
9.8565, 4.1171, 44.0182



0.8676, 0.3715, 3.4609

Previews

White Background



This preview shows how the XYZ color 48.9587, 68.4071, 14.6265 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 48.9587, 68.4071, 14.6265 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 48.9587, 68.4071, 14.6265

Background



This preview shows how black text looks on a background with the XYZ color 48.9587, 68.4071, 14.6265.

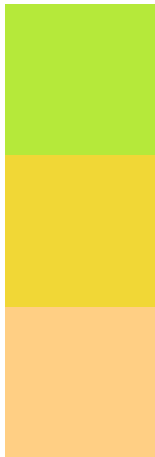


This preview shows how white text looks on a background with the XYZ color 48.9587, 68.4071,

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

48.9587, 68.4071, 14.6265

Protanopia

61.2419, 67.5680, 13.3042

Deuteranopia

67.7177, 67.5516, 31.2994



Tritanopia

63.6277, 67.9032, 88.3504

Trichromacy



Original Color

48.9587, 68.4071, 14.6265

Protanomaly

56.0243, 67.5785, 13.7056

Deuteranomaly

59.1006, 66.6256, 23.1097

Tritanomaly

55.7307, 67.0531, 48.5333

Monochromacy



Original Color

48.9587, 68.4071, 14.6265

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

50.2990, 59.9016, 36.5149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9587, 68.4071, 14.6265 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(181, 233, 58)` looks like.

```
.text, #text, p{  
    color:rgb(181, 233, 58)  
}
```

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(181, 233, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 233, 58) }
```

Border

The CSS property to change the border of an element to XYZ 48.9587, 68.4071, 14.6265 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(181, 233, 58) }
```


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

```
.border{ border-color:rgb(181, 233, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 233, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 233, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 233, 58);  
box-shadow:4px 4px 4px 4px rgb(181, 233,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9587, 68.4071, 14.6265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 233, 58) }
```

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

```
.background{ background-color: rgb(181,  
233, 58) }
```

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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