

Converting Colors

XYZ(34.6838, 49.1687, 16.9079)

Have a look what the booklet for
XYZ(34.6838, 49.1687, 16.9079)
contains.

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Color

**XYZ(34.5590, 48.9654,
16.8623)**

Conversions

Conversions Part 1

Format	Color
Hex	91CA58
RGB	145, 202, 88
RGB Percent	57%, 79%, 35%
CMY	0.4314, 0.2078, 0.6549
CMYK	0.28, 0.00, 0.56, 0.21
HSL	90°, 52%, 57%
HSV	90°, 56%, 79%
XYZ	34.5590, 48.9654, 16.8623
YIQ	171.9610, 2.6220, -47.5380

Conversions

Conversions Part 2

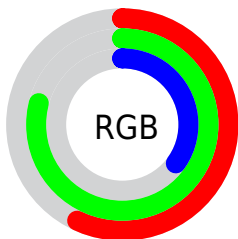
Format	Color
RYB	88, 202, 145
Decimal	9554520
CIELab	75.43, -37.22, 50.23
CIELCh	75, 62.523, 126.538
Yxy	48.9654, 0.3443, 0.4878
Android (android.graphics.Color)	4287744600 (0xFF91CA58)
YUV	171.9610, -41.3928, -23.6448
Hunter-Lab	69.9753, -34.3002, 34.6953

Details

The XYZ color **34.5590, 48.9654, 16.8623** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **25.8296, 17.2649, 57.8510**, and the grayscale version is **39.3960, 41.4477, 45.1365**.

A 20% lighter version of the original color is **64.6551, 85.8606, 38.3644**, and **15.1097, 23.4748, 5.3248** is the 20% darker color. If you saturate the color by 10%, you get **32.1344, 47.8006, 12.9701**, and if you desaturate by 10%, it is **37.3761, 50.3088, 21.9849**.

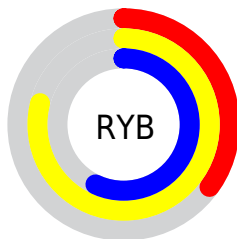
Distribution



Red (57%)

Green (79%)

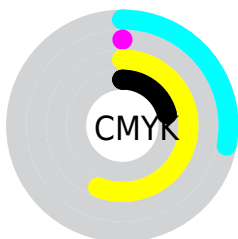
Blue (35%)



Red (35%)

Yellow (79%)

Blue (57%)

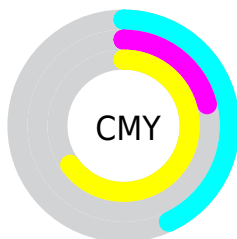


Cyan (28%)

Magenta (0%)

Yellow (56%)

Black (21%)



Cyan (43%)


Magenta (21%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5590, 48.9654, 16.8623 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 34.5590, 48.9654, 16.8623 by changing the saturation by 10% instead.


 34.5590, 48.9654,
16.8623


 34.5590, 48.9654,
16.8623


314.1597,
382.6061, 246.3946

 23.4883, 34.5920,
9.9754

 66.1406, 88.6401,
38.8763


 15.0771, 23.3488,
5.2773


 87.3821, 114.7101,
54.8405

 8.9602, 14.8513,
2.3493

 112.7447,
145.4479, 74.6675

 4.7721, 8.7151,
0.7586

 142.5936,
181.2378, 98.7760

 2.1476, 4.5558,
0.0000

177.2941,
222.4642, 127.5844

 0.7149, 1.9891,
0.0000

217.2118,

 0.0000, 0.6011,

269.5114, 161.5113

0.0000

262.7119,
322.7639, 200.9752

■ 0.0000, 0.0000,
0.0000

■ 34.5590, 48.9654,
16.8623

■ 34.5590, 48.9654,
16.8623

■ 32.1344, 47.8006,
12.9701

■ 37.3761, 50.3088,
21.9849

■ 30.0749, 46.7981,
10.2013

■ 40.6036, 51.8333,
28.4266

■ 28.3545, 45.9485,
8.4360

■ 44.2621, 53.5495,
36.2717

■ 26.9394, 45.2378,
7.5187

■ 48.3698, 55.4650,
45.5966

■ 26.4879, 45.0096,
7.2917

■ 52.9437, 57.5870,
56.4721

■ 57.9999, 59.9223,
68.9645

■ 63.5535, 62.4773,
83.1362

■ 69.6189, 65.2583,
99.0463

■ 73.7332, 67.2804,
103.7080

Harmonies

Analogous

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



44.0633, 48.9654, 11.8624



34.5590, 48.9654, 16.8623



29.0345, 48.9654, 31.8362

Triad

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



34.5590, 48.9654, 16.8623



38.2663, 48.9654, 135.2485



72.1977, 48.9654, 46.4132

Complementary

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



34.5590, 48.9654, 16.8623



25.8296, 17.2649, 57.8510

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.



69.9601, 48.9654, 82.7708



34.5590, 48.9654, 16.8623



49.1081, 48.9654, 144.4373

Square

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



34.5590, 48.9654, 16.8623



30.9151, 48.9654, 100.7033



61.0125, 48.9654, 122.2532



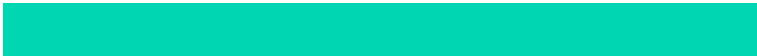
66.7024, 48.9654, 23.7632

Rectangle

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



34.5590, 48.9654, 16.8623



27.7464, 48.9654, 49.5751



61.0125, 48.9654, 122.2532



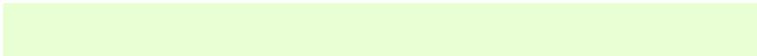
72.3366, 48.9654, 57.2384

Sweetspot

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



34.5602, 48.9675, 16.8634



81.3095, 93.6339, 75.8438



36.2459, 33.5138, 13.7916



17.0897, 19.8954, 15.5098



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.



34.5602, 48.9675, 16.8634



53.4789, 80.4802, 20.6187



26.9080, 45.0227, 16.5052



11.5935, 12.8078, 11.9406



17.1465, 29.0147, 4.6967



0.9721, 1.5420, 0.2464

Inverse Universe

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



25.8296, 17.2649, 57.8510



37.2510, 21.5529, 96.8045



38.5095, 23.8016, 58.4444



11.1273, 11.1149, 14.1293



10.4168, 4.5776, 36.2908



0.6249, 0.2813, 1.8763

Previews

White Background



This preview shows how the XYZ color 34.5590, 48.9654, 16.8623 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 34.5590, 48.9654, 16.8623 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 34.5590, 48.9654, 16.8623

Background



This preview shows how black text looks on a background with the XYZ color 34.5590, 48.9654, 16.8623.



This preview shows how white text looks on a background with the XYZ color 34.5590, 48.9654,

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

34.5590, 48.9654, 16.8623

Protanopia

44.0871, 48.3016, 15.1831

Deuteranopia

49.2694, 48.2078, 17.5347



Tritanopia

44.3332, 48.9161, 64.8627

Trichromacy



Original Color

34.5590, 48.9654, 16.8623

Protanomaly

39.7989, 47.9848, 15.7587

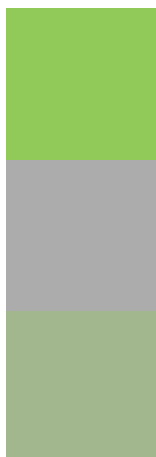
Deuteranomaly

42.3067, 47.3409, 17.0331

Tritanomaly

39.5237, 48.2601, 41.4144

Monochromacy



Original Color

34.5590, 48.9654, 16.8623

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

36.6415, 43.4714, 31.6589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5590, 48.9654, 16.8623 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(145, 202, 88)` looks like.

```
.text, #text, p{  
    color:rgb(145, 202, 88)  
}
```

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(145, 202, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 202, 88) }
```

Border

The CSS property to change the border of an element to XYZ 34.5590, 48.9654, 16.8623 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(145, 202, 88) }
```


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

```
.border{ border-color:rgb(145, 202, 88) }
```

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

Here you see how a box with a 4 pixel rgb(145, 202, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 202, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 202, 88);  
box-shadow:4px 4px 4px 4px rgb(145, 202,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5590, 48.9654, 16.8623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 202, 88) }
```

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

```
.background{ background-color: rgb(145,  
202, 88) }
```

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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