

Converting Colors

XYZ(34.4298, 48.3953, 11.1176)

Have a look what the booklet for
XYZ(34.4298, 48.3953, 11.1176)
contains.

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Color

**XYZ(34.4807, 48.3567,
11.1309)**

Conversions

Conversions Part 1

Format	Color
Hex	99C837
RGB	153, 200, 55
RGB Percent	60%, 78%, 22%
CMY	0.4000, 0.2157, 0.7843
CMYK	0.24, 0.00, 0.72, 0.22
HSL	79°, 57%, 50%
HSV	79°, 72%, 78%
XYZ	34.4807, 48.3567, 11.1309
YIQ	169.4170, 18.5330, -55.0590

Conversions

Conversions Part 2

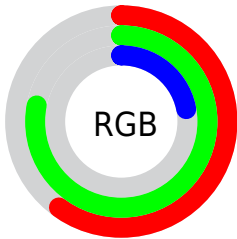
Format	Color
RYB	55, 200, 102
Decimal	10078263
CIELab	75.05, -35.85, 63.47
CIELCh	75, 72.892, 119.463
Yxy	48.3567, 0.3669, 0.5146
Android (android.graphics.Color)	4288268343 (0xFF99C837)
YUV	169.4170, -56.4076, -14.3977
Hunter-Lab	69.5390, -33.1845, 39.1869

Details

The XYZ color **34.4807, 48.3567, 11.1309** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **17.2730, 9.7287, 55.6139**, and the grayscale version is **38.1847, 40.1732, 43.7486**.

A 20% lighter version of the original color is **65.4932, 86.5166, 28.2864**, and **15.2086, 23.0992, 3.6570** is the 20% darker color. If you saturate the color by 10%, you get **32.9047, 47.5905, 9.0421**, and if you desaturate by 10%, it is **36.3196, 49.2392, 14.2476**.

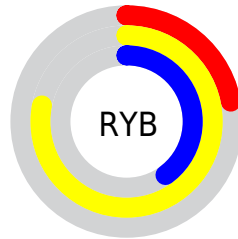
Distribution



Red (60%)

Green (78%)

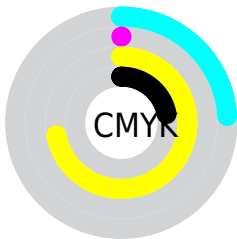
Blue (22%)



Red (22%)

Yellow (78%)

Blue (40%)

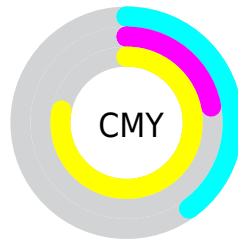


Cyan (24%)

Magenta (0%)

Yellow (72%)

Black (22%)



Cyan (40%)


Magenta (22%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4807, 48.3567, 11.1309 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 34.4807, 48.3567, 11.1309 by changing the saturation by 10% instead.


 34.4807, 48.3567,
11.1309


 34.4807, 48.3567,
11.1309


313.8185,
380.2043, 209.3330


 23.4278, 34.1095,
6.0397


 66.0198, 87.7353,
28.5423


 15.0321, 22.9777,
2.8000


 87.2368, 113.6354,
41.6996


 8.9284, 14.5770,
0.9935


 112.5724,
144.1885, 58.3826

 4.7512, 8.5231,
0.0000

 142.3921,
179.7792, 79.0099

 2.1353, 4.4314,
0.0000

 177.0612,
220.7917, 104.0001

 0.7083, 1.9177,
0.0000

216.9450,

 0.0000, 0.5590,

267.6104, 133.7716

0.0000

262.4090,
320.6198, 168.7431

■ 0.0000, 0.0000,
0.0000

■ 34.4807, 48.3567,
11.1309

■ 34.4807, 48.3567,
11.1309

■ 32.9047, 47.5905,
9.0421

■ 36.3196, 49.2392,
14.2476

■ 31.5622, 46.9235,
7.8457

■ 38.4401, 50.2405,
18.4994

■ 30.6741, 46.4756,
7.3540

■ 40.8626, 51.3704,
23.9835

■ 43.6042, 52.6361,
30.7860

■ 46.6809, 54.0439,
38.9850

■ 50.1073, 55.5998,
48.6526

■ 53.8970, 57.3094,
59.8561

■ 58.0630, 59.1780,
72.6585

■ 62.6172, 61.2105,
87.1191

Harmonies

Analogous

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



46.2020, 48.3567, 8.0936



34.4807, 48.3567, 11.1309



27.2442, 48.3567, 23.4867

Triad

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



34.4807, 48.3567, 11.1309



34.1387, 48.3567, 144.4576



76.6212, 48.3567, 53.3425

Complementary

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



34.4807, 48.3567, 11.1309



17.2730, 9.7287, 55.6139

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.



71.7364, 48.3567, 99.4019



34.4807, 48.3567, 11.1309



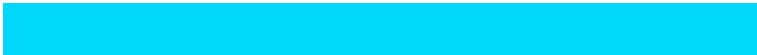
45.7220, 48.3567, 165.3188

Square

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



34.4807, 48.3567, 11.1309



27.0752, 48.3567, 97.5947



59.7440, 48.3567, 145.8087



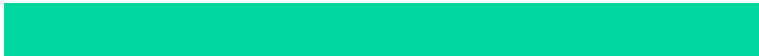
72.0598, 48.3567, 24.1885

Rectangle

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



34.4807, 48.3567, 11.1309



25.1012, 48.3567, 40.3464



59.7440, 48.3567, 145.8087



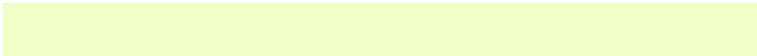
76.0172, 48.3567, 67.2359

Sweetspot

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



34.4818, 48.3589, 11.1319



80.9201, 93.6113, 67.7758



29.1565, 21.8481, 6.2955



16.9933, 19.8875, 13.6152



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.



34.4818, 48.3589, 11.1319



55.5844, 81.7079, 14.2915



24.7891, 43.3621, 10.6783



11.1767, 12.2380, 11.3359



19.5998, 29.5994, 4.6802



1.0015, 1.4394, 0.2250

Inverse Universe

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



17.2730, 9.7287, 55.6139



24.4318, 11.3235, 95.5057



29.1193, 15.8356, 56.1683



10.3751, 10.4516, 13.3880



8.0920, 3.4058, 34.9753



0.4596, 0.2007, 1.6597

Previews

White Background



This preview shows how the XYZ color 34.4807, 48.3567, 11.1309 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 34.4807, 48.3567, 11.1309 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 34.4807, 48.3567, 11.1309

Background



This preview shows how black text looks on a background with the XYZ color 34.4807, 48.3567, 11.1309.



This preview shows how white text looks on a background with the XYZ color 34.4807, 48.3567,

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

34.4807, 48.3567, 11.1309

Protanopia

43.6786, 48.2023, 10.1338

Deuteranopia

48.9172, 47.8646, 11.6616



Tritanopia

44.8905, 48.3037, 62.2159

Trichromacy



Original Color

34.4807, 48.3567, 11.1309

Protanomaly

39.5268, 47.6396, 10.3609

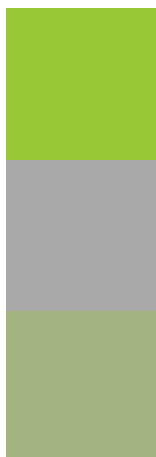
Deuteranomaly

42.3399, 47.1745, 11.2889

Tritanomaly

39.5048, 47.7299, 35.1476

Monochromacy



Original Color

34.4807, 48.3567, 11.1309

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

35.3218, 41.9876, 26.6648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4807, 48.3567, 11.1309 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(153, 200, 55)` looks like.

```
.text, #text, p{  
    color:rgb(153, 200, 55)  
}
```

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(153, 200, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 200, 55) }
```

Border

The CSS property to change the border of an element to XYZ 34.4807, 48.3567, 11.1309 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(153, 200, 55) }
```


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

```
.border{ border-color:rgb(153, 200, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 200, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 200, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 200, 55);  
box-shadow:4px 4px 4px 4px rgb(153, 200,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4807, 48.3567, 11.1309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 200, 55) }
```

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

```
.background{ background-color: rgb(153,  
200, 55) }
```

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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