

Converting Colors

XYZ(33.5496, 48.5065, 14.1084)

Have a look what the booklet for
XYZ(33.5496, 48.5065, 14.1084)
contains.

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Color

**XYZ(33.5119, 48.4863,
14.0711)**

Conversions

Conversions Part 1

Format	Color
Hex	8ECA4A
RGB	142, 202, 74
RGB Percent	56%, 79%, 29%
CMY	0.4431, 0.2078, 0.7098
CMYK	0.30, 0.00, 0.63, 0.21
HSL	88°, 55%, 54%
HSV	88°, 63%, 79%
XYZ	33.5119, 48.4863, 14.0711
YIQ	169.4680, 5.3280, -52.5280

Conversions

Conversions Part 2

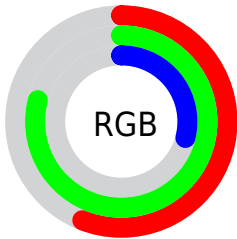
Format	Color
RYB	74, 202, 134
Decimal	9357898
CIELab	75.13, -39.57, 56.01
CIELCh	75, 68.577, 125.246
Yxy	48.4863, 0.3488, 0.5047
Android (android.graphics.Color)	4287547978 (0xFF8ECA4A)
YUV	169.4680, -47.0657, -24.0894
Hunter-Lab	69.6321, -35.9493, 36.7613

Details

The XYZ color **33.5119, 48.4863, 14.0711** 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 **22.9432, 14.2316, 57.4177**, and the grayscale version is **38.1697, 40.1574, 43.7315**.

A 20% lighter version of the original color is **63.2095, 85.2206, 33.5398**, and **14.4306, 22.9202, 4.0113** is the 20% darker color. If you saturate the color by 10%, you get **31.3817, 47.4561, 10.9718**, and if you desaturate by 10%, it is **36.0010, 49.6793, 18.3295**.

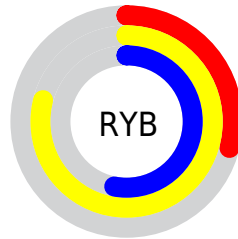
Distribution



Red (56%)

Green (79%)

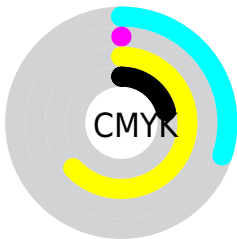
Blue (29%)



Red (29%)

Yellow (79%)

Blue (53%)

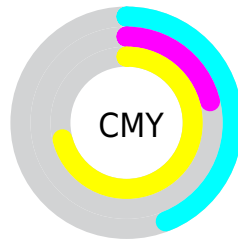


Cyan (30%)

Magenta (0%)

Yellow (63%)

Black (21%)



Cyan (44%)


Magenta (21%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5119, 48.4863, 14.0711 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 33.5119, 48.4863, 14.0711 by changing the saturation by 10% instead.


 33.5119, 48.4863,
14.0711


 33.5119, 48.4863,
14.0711


309.5745,
380.7165, 229.1165


 22.6800, 34.2122,
8.0308


 64.5233, 87.9280,
33.9341

 14.4768, 23.0566,
4.0266


 85.4334, 113.8644,
48.5938


 8.5369, 14.6353,
1.6400


 110.4337,
144.4569, 66.9639

 4.4951, 8.5639,
0.3191

 139.8895,
180.0901, 89.4627

 1.9858, 4.4578,
0.0000

 174.1661,
221.1482, 116.5088

 0.6260, 1.9328,
0.0000

213.6289,

 0.0000, 0.5680,

268.0157, 148.5208

0.0000

258.6432,
321.0770, 185.9172

■ 0.0000, 0.0000,
0.0000

■ 33.5119, 48.4863,
14.0711

■ 33.5119, 48.4863,
14.0711

■ 31.3817, 47.4561,
10.9718

■ 36.0010, 49.6793,
18.3295

■ 29.5817, 46.5718,
8.9137

■ 38.8676, 51.0381,
23.8435

■ 28.0832, 45.8233,
7.7592

■ 42.1331, 52.5730,
30.7032

■ 27.2221, 45.3881,
7.3260

■ 45.8158, 54.2920,
38.9896

■ 49.9328, 56.2020,
48.7770

■ 54.5002, 58.3099,
60.1349

■ 59.5331, 60.6221,
73.1281

■ 65.0458, 63.1446,
87.8181

■ 70.9218, 65.8310,
103.5764

Harmonies

Analogous

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



43.9130, 48.4863, 9.5406



33.5119, 48.4863, 14.0711



27.4571, 48.4863, 28.8160

Triad

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



33.5119, 48.4863, 14.0711



36.6988, 48.4863, 143.7361



74.5415, 48.4863, 46.7220

Complementary

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



33.5119, 48.4863, 14.0711



22.9432, 14.2316, 57.4177

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.



71.6626, 48.4863, 87.3505



33.5119, 48.4863, 14.0711



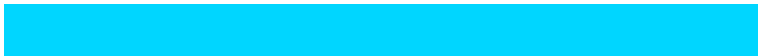
48.3270, 48.4863, 155.8834

Square

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



33.5119, 48.4863, 14.0711



29.0495, 48.4863, 103.5766



61.4644, 48.4863, 131.7618



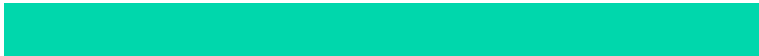
68.7412, 48.4863, 22.1056

Rectangle

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



33.5119, 48.4863, 14.0711



25.9731, 48.4863, 47.2689



61.4644, 48.4863, 131.7618



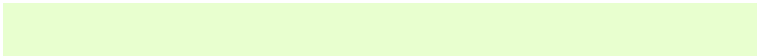
74.5664, 48.4863, 58.7323

Sweetspot

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



33.5130, 48.4884, 14.0721



80.3396, 93.2069, 72.4998



34.0834, 30.0294, 10.4791



16.7743, 19.7542, 14.5275



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.



33.5130, 48.4884, 14.0721



51.9484, 79.7675, 17.1019



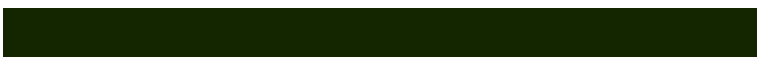
25.5219, 44.3688, 13.6982



11.6275, 12.8254, 11.9421



17.6199, 29.2587, 4.7188



0.9962, 1.5544, 0.2475

Inverse Universe

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



22.9432, 14.2316, 57.4177



32.6878, 17.2592, 96.2163



36.3299, 21.1327, 58.0442



11.0934, 11.0975, 14.1277



9.9775, 4.3511, 36.2702



0.6021, 0.2695, 1.8752

Previews

White Background



This preview shows how the XYZ color 33.5119, 48.4863, 14.0711 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 33.5119, 48.4863, 14.0711 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 33.5119, 48.4863, 14.0711

Background



This preview shows how black text looks on a background with the XYZ color 33.5119, 48.4863, 14.0711.



This preview shows how white text looks on a background with the XYZ color 33.5119, 48.4863,

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

33.5119, 48.4863, 14.0711

Protanopia

43.8767, 48.2494, 12.6307

Deuteranopia

48.8479, 47.7631, 14.6273



Tritanopia

43.5939, 48.2284, 64.1381

Trichromacy



Original Color

33.5119, 48.4863, 14.0711

Protanomaly

39.2966, 47.7838, 13.1133

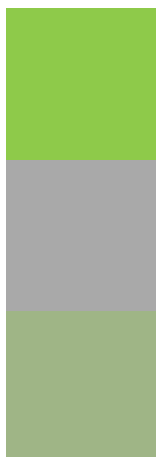
Deuteranomaly

41.7862, 47.1328, 14.2923

Tritanomaly

38.5145, 47.7902, 39.0928

Monochromacy



Original Color

33.5119, 48.4863, 14.0711

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

35.1250, 42.1399, 28.8368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5119, 48.4863, 14.0711 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(142, 202, 74)` looks like.

```
.text, #text, p{  
    color:rgb(142, 202, 74)  
}
```

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(142, 202, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 202, 74) }
```

Border

The CSS property to change the border of an element to XYZ 33.5119, 48.4863, 14.0711 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(142, 202, 74) }
```


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

```
.border{ border-color:rgb(142, 202, 74) }
```

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

Here you see how a box with a 4 pixel rgb(142, 202, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 202, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 202, 74);  
box-shadow:4px 4px 4px 4px rgb(142, 202,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5119, 48.4863, 14.0711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 202, 74) }
```

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

```
.background{ background-color: rgb(142,  
202, 74) }
```

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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