

Converting Colors

XYZ(33.4000, 59.1108, 14.8034)

Have a look what the booklet for
XYZ(33.4000, 59.1108, 14.8034)
contains.

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Color

**XYZ(33.4000, 59.1108,
14.8034)**

Conversions

Conversions Part 1

Format	Color
Hex	59E642
RGB	89, 230, 66
RGB Percent	35%, 90%, 26%
CMY	0.6510, 0.0980, 0.7412
CMYK	0.61, 0.00, 0.71, 0.10
HSL	112°, 77%, 58%
HSV	112°, 71%, 90%
XYZ	33.4000, 59.1108, 14.8034
YIQ	169.1450, -31.3920, -80.8960

Conversions

Conversions Part 2

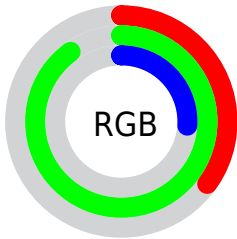
Format	Color
RYB	66, 230, 207
Decimal	5891650
CIELab	81.35, -66.79, 65.01
CIELCh	81, 93.202, 135.773
Yxy	59.1108, 0.3112, 0.5508
Android (android.graphics.Color)	4284081730 (0xFF59E642)
YUV	169.1450, -50.8505, -70.2872
Hunter-Lab	76.8835, -57.0017, 42.4026

Details

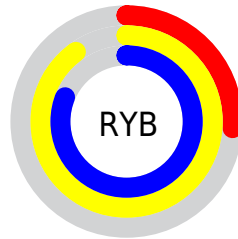
The XYZ color **33.4000, 59.1108, 14.8034** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **41.9669, 22.8773, 77.0699**, and the grayscale version is **38.0404, 40.0215, 43.5834**.

A 20% lighter version of the original color is **52.4720, 79.7224, 31.3613**, and **14.9436, 29.8871, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **31.2044, 58.0439, 11.8450**, and if you desaturate by 10%, it is **36.3806, 60.5544, 19.2233**.

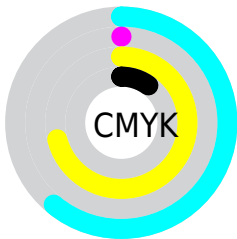
Distribution



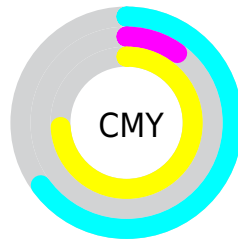
- Red (35%)
- Green (90%)
- Blue (26%)



- Red (26%)
- Yellow (90%)
- Blue (81%)



- Cyan (61%)
- Magenta (0%)
- Yellow (71%)
- Black (10%)





- Cyan (65%)
- Magenta (10%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4000, 59.1108, 14.8034 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 33.4000, 59.1108, 14.8034 by changing the saturation by 10% instead.


 33.4000, 59.1108,
14.8034


 33.4000, 59.1108,
14.8034


309.0815,
421.3124, 233.7728


 22.5937, 42.7023,
8.5364


 64.3500, 103.5387,
35.2453

 14.4129, 29.6516,
4.3474


 85.2245, 132.3269,
50.2574


 8.4920, 19.5743,
1.8178


 110.1858,
166.0104, 69.0215

 4.4658, 12.0860,
0.4397

 139.5992,
204.9737, 91.9563

 1.9689, 6.8023,
0.0000

 173.8302,
249.6012, 119.4803

 0.6164, 3.3387,
0.0000

213.2440,

 0.0000, 1.3110,

300.2772, 152.0120

0.0000

258.2060,
357.3861, 189.9700

■ 0.0000, 0.1497,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.4000, 59.1108,
14.8034

■ 33.4000, 59.1108,
14.8034

■ 31.2044, 58.0439,
11.8450

■ 36.3806, 60.5544,
19.2233


■ 29.7127, 57.3107,
10.1581


■ 40.2082, 62.3981,
25.2560

■ 28.9014, 56.9071,
9.4609

■ 44.9436, 64.6719,
33.0384


■ 50.6404, 67.4009,
42.6918

 57.3482, 70.6084,
54.3265

 65.1131, 74.3157,
68.0445

 73.9783, 78.5432,
83.9407

 83.9846, 83.3100,
102.1040

 87.5880, 85.0760,
106.4127

Harmonies

Analogous

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



46.6089, 59.1108, 6.4978



33.4000, 59.1108, 14.8034



27.1470, 59.1108, 41.4443

Triad

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



33.4000, 59.1108, 14.8034



47.4756, 59.1108, 234.2615



100.4589, 59.1108, 39.3954

Complementary

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



33.4000, 59.1108, 14.8034



41.9669, 22.8773, 77.0699

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.



100.8445, 59.1108, 94.4706



33.4000, 59.1108, 14.8034



66.9860, 59.1108, 232.4944

Square

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



33.4000, 59.1108, 14.8034



33.9075, 59.1108, 175.8140



87.5053, 59.1108, 171.8471



86.5492, 59.1108, 14.0487

Rectangle

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



33.4000, 59.1108, 14.8034



26.5611, 59.1108, 75.7596



87.5053, 59.1108, 171.8471



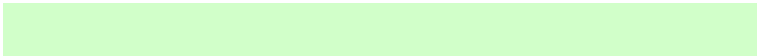
102.2665, 59.1108, 54.1683

Sweetspot

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



33.4014, 59.1133, 14.8047



72.6384, 89.3075, 68.9459



55.5462, 61.0735, 14.0159



15.0142, 18.8606, 13.8251



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.



33.4014, 59.1133, 14.8047



38.3510, 72.8194, 13.6794



34.1457, 59.1947, 28.4982



14.3763, 16.1856, 15.2709



16.4217, 32.2472, 5.3588



1.2733, 2.4138, 0.3988

Inverse Universe

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



41.9669, 22.8773, 77.0699



49.4903, 24.3512, 96.6996



42.0877, 23.7227, 41.6956



14.7860, 14.5074, 18.1652



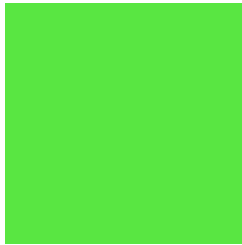
21.3124, 10.0528, 43.2003



1.6298, 0.7712, 3.1949

Previews

White Background



This preview shows how the XYZ color 33.4000, 59.1108, 14.8034 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 33.4000, 59.1108, 14.8034 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 33.4000, 59.1108, 14.8034

Background



This preview shows how black text looks on a background with the XYZ color 33.4000, 59.1108, 14.8034.

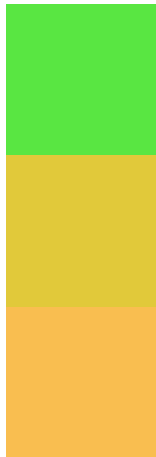


This preview shows how white text looks on a background with the XYZ color 33.4000, 59.1108,

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

33.4000, 59.1108, 14.8034

Protanopia

52.7017, 58.0863, 12.4371

Deuteranopia

58.9283, 57.5458, 15.5910



Tritanopia

47.4701, 58.8627, 85.2036

Trichromacy



Original Color

33.4000, 59.1108, 14.8034



Protanomaly

42.2903, 56.6540, 13.1213



Deuteranomaly

44.5872, 55.2470, 14.9704



Tritanomaly

39.8496, 57.6757, 48.0619

Monochromacy



Original Color

33.4000, 59.1108, 14.8034



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

33.6109, 44.5030, 28.6483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4000, 59.1108, 14.8034 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(89, 230, 66)` looks like.

```
.text, #text, p{  
    color:rgb(89, 230, 66)  
}
```

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(89, 230, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 230, 66) }
```

Border

The CSS property to change the border of an element to XYZ 33.4000, 59.1108, 14.8034 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(89, 230, 66) }
```


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

```
.border{ border-color:rgb(89, 230, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 230, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 230, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 230, 66);  
box-shadow:4px 4px 4px 4px rgb(89, 230,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4000, 59.1108, 14.8034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 230, 66) }
```

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

```
.background{ background-color: rgb(89, 230,  
66) }
```

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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