

Converting Colors

XYZ(33.3433, 57.9856, 14.9311)

Have a look what the booklet for
XYZ(33.3433, 57.9856, 14.9311)
contains.

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Color

**XYZ(33.2318, 57.7884,
14.8716)**

Conversions

Conversions Part 1

Format	Color
Hex	5FE344
RGB	95, 227, 68
RGB Percent	37%, 89%, 27%
CMY	0.6274, 0.1098, 0.7333
CMYK	0.58, 0.00, 0.70, 0.11
HSL	110°, 74%, 58%
HSV	110°, 70%, 89%
XYZ	33.2318, 57.7884, 14.8716
YIQ	169.4060, -27.6330, -77.4330

Conversions

Conversions Part 2

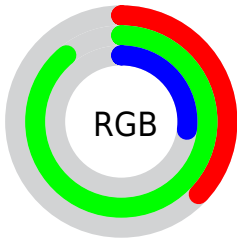
Format	Color
RYB	68, 227, 200
Decimal	6284100
CIELab	80.62, -64.23, 63.59
CIELCh	81, 90.381, 135.286
Yxy	57.7884, 0.3138, 0.5457
Android (android.graphics.Color)	4284474180 (0xFF5FE344)
YUV	169.4060, -49.9932, -65.2541
Hunter-Lab	76.0187, -55.0009, 41.6141

Details

The XYZ color **33.2318, 57.7884, 14.8716** 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 **39.7550, 21.9618, 74.8198**, and the grayscale version is **38.1648, 40.1523, 43.7259**.

A 20% lighter version of the original color is **53.3027, 80.1433, 31.7286**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **30.9426, 56.6751, 11.8221**, and if you desaturate by 10%, it is **36.2654, 59.2579, 19.3577**.

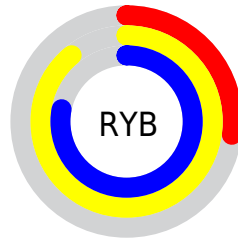
Distribution



Red (37%)

Green (89%)

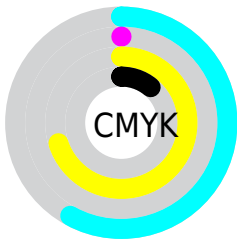
Blue (27%)



Red (27%)

Yellow (89%)

Blue (78%)

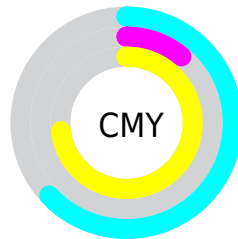


Cyan (58%)

Magenta (0%)

Yellow (70%)

Black (11%)



Cyan (63%)

Magenta (11%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2318, 57.7884, 14.8716 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 33.2318, 57.7884, 14.8716 by changing the saturation by 10% instead.


 33.2318, 57.7884,
14.8716


 33.2318, 57.7884,
14.8716


308.3395,
416.3970, 234.2017

 22.4642, 41.6386,
8.5837


 64.0895, 101.6147,
35.3669

 14.3169, 28.8184,
4.3776


 84.9103, 130.0599,
50.4113


 8.4246, 18.9435,
1.8347


 109.8129,
163.3723, 69.2117

 4.4219, 11.6294,
0.4507

 139.1625,
201.9364, 92.1866

 1.9435, 6.4919,
0.0000

 173.3247,
246.1365, 119.7545

 0.6019, 3.1464,
0.0000

212.6646,

 0.0000, 1.2086,

296.3571, 152.3340

0.0000

257.5478,
352.9824, 190.3435

■ 0.0000, 0.0687,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.2318, 57.7884,
14.8716

■ 33.2318, 57.7884,
14.8716

■ 30.9426, 56.6751,
11.8221

■ 36.2654, 59.2579,
19.3577


■ 29.3259, 55.8797,
10.0302


■ 40.0983, 61.1035,
25.4237


■ 28.2897, 55.3629,
9.1951


■ 44.7846, 63.3521,
33.2001


■ 50.3726, 66.0261,
42.8026

 56.9068, 69.1461,
54.3368

 64.4288, 72.7314,
67.9004

 72.9775, 76.8001,
83.5843

 82.5900, 81.3695,
101.4741

 86.7602, 83.4205,
106.1367

Harmonies

Analogous

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



46.0277, 57.7884, 6.8139



33.2318, 57.7884, 14.8716



27.0909, 57.7884, 40.3289

Triad

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



33.2318, 57.7884, 14.8716



46.3347, 57.7884, 223.0481



97.1460, 57.7884, 39.5998

Complementary

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



33.2318, 57.7884, 14.8716



39.7550, 21.9618, 74.8198

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.



97.2811, 57.7884, 92.6841



33.2318, 57.7884, 14.8716



64.9033, 57.7884, 222.4340

Square

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



33.2318, 57.7884, 14.8716



33.4125, 57.7884, 167.3645



84.4584, 57.7884, 165.9817



84.1229, 57.7884, 14.5972

Rectangle

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



33.2318, 57.7884, 14.8716



26.4587, 57.7884, 72.8358



84.4584, 57.7884, 165.9817



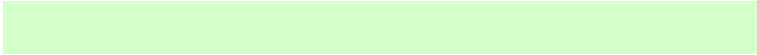
98.7829, 57.7884, 53.9508

Sweetspot

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



33.2332, 57.7908, 14.8729



73.0885, 89.5396, 68.9670



52.8843, 57.0707, 13.6981



15.1192, 18.9147, 13.8301



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.



33.2332, 57.7908, 14.8729



39.2308, 73.2634, 14.1532



33.1457, 57.4861, 26.5993



14.4162, 16.2061, 15.2727



16.5645, 32.3208, 5.3655



1.2922, 2.4235, 0.3997

Inverse Universe

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



39.7550, 21.9618, 74.8198



47.9391, 23.7952, 96.6740



41.6488, 23.6271, 43.7800



14.7424, 14.4849, 18.1632



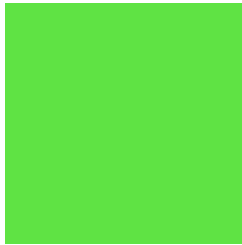
20.3341, 9.5485, 43.1545



1.5664, 0.7385, 3.1919

Previews

White Background



This preview shows how the XYZ color 33.2318, 57.7884, 14.8716 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 33.2318, 57.7884, 14.8716 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 33.2318, 57.7884, 14.8716

Background



This preview shows how black text looks on a background with the XYZ color 33.2318, 57.7884, 14.8716.

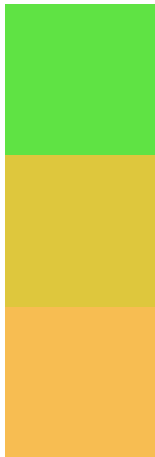


This preview shows how white text looks on a background with the XYZ color 33.2318, 57.7884,

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

33.2318, 57.7884, 14.8716

Protanopia

51.3899, 56.7134, 12.6531

Deuteranopia

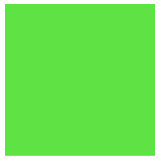
58.0784, 56.7785, 15.8809



Tritanopia

46.7396, 57.4112, 82.7468

Trichromacy



Original Color

33.2318, 57.7884, 14.8716



Protanomaly

41.6304, 55.2012, 13.3112



Deuteranomaly

44.4337, 54.4542, 15.1900



Tritanomaly

39.4047, 56.3099, 46.8223

Monochromacy



Original Color

33.2318, 57.7884, 14.8716



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

33.7336, 44.2436, 28.5917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2318, 57.7884, 14.8716 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(95, 227, 68)` looks like.

```
.text, #text, p{  
    color:rgb(95, 227, 68)  
}
```

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(95, 227, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 227, 68) }
```

Border

The CSS property to change the border of an element to XYZ 33.2318, 57.7884, 14.8716 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(95, 227, 68) }
```


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

```
.border{ border-color:rgb(95, 227, 68) }
```

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

Here you see how a box with a 4 pixel rgb(95, 227, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 227, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 227, 68);  
box-shadow:4px 4px 4px 4px rgb(95, 227,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2318, 57.7884, 14.8716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 227, 68) }
```

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

```
.background{ background-color: rgb(95, 227,  
68) }
```

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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