

Converting Colors

XYZ(34.9253, 66.5713, 13.2445)

Have a look what the booklet for
XYZ(34.9253, 66.5713, 13.2445)
contains.

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Color

**XYZ(34.8152, 66.3715,
13.1665)**

Conversions

Conversions Part 1

Format	Color
Hex	3AF52A
RGB	58, 245, 42
RGB Percent	23%, 96%, 16%
CMY	0.7726, 0.0392, 0.8353
CMYK	0.76, 0.00, 0.83, 0.04
HSL	115°, 91%, 56%
HSV	115°, 83%, 96%
XYZ	34.8152, 66.3715, 13.1665
YIQ	165.9450, -46.2890, -102.7770

Conversions

Conversions Part 2

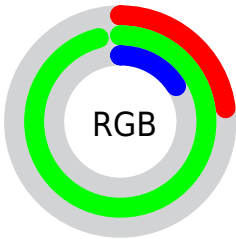
Format	Color
RYB	42, 245, 229
Decimal	3863850
CIELab	85.19, -78.39, 75.56
CIELCh	85, 108.878, 136.056
Yxy	66.3715, 0.3045, 0.5804
Android (android.graphics.Color)	4282053930 (0xFF3AF52A)
YUV	165.9450, -61.1049, -94.6678
Hunter-Lab	81.4687, -66.2892, 47.4460

Details

The XYZ color **34.8152, 66.3715, 13.1665** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **49.6286, 24.9102, 88.5822**, and the grayscale version is **36.5228, 38.4249, 41.8447**.

A 20% lighter version of the original color is **48.4055, 77.7324, 26.3625**, and **17.7703, 35.5406, 5.9234** is the 20% darker color. If you saturate the color by 10%, you get **33.4667, 65.7145, 11.4718**, and if you desaturate by 10%, it is **37.0089, 67.4373, 16.2998**.

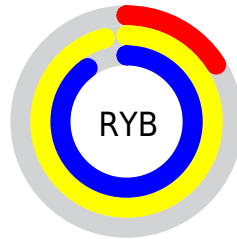
Distribution



Red (23%)

Green (96%)

Blue (16%)



Red (16%)

Yellow (96%)

Blue (90%)

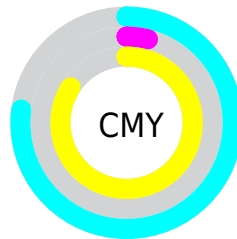


Cyan (76%)

Magenta (0%)

Yellow (83%)

Black (4%)



Cyan (77%)


Magenta (4%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8152, 66.3715, 13.1665 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 34.8152, 66.3715, 13.1665 by changing the saturation by 10% instead.


 34.8152, 66.3715,
13.1665


 34.8152, 66.3715,
13.1665


315.2742,
447.7043, 223.2272


 23.6864, 48.5740,
7.4112


 66.5353, 114.0194,
32.2981

 15.2246, 34.2817,
3.6383


 87.8573, 144.6386,
46.5116


 9.0645, 23.1101,
1.4291


 113.3078,
180.3005, 64.3815

 4.8407, 14.6748,
0.1642

 143.2520,
221.3895, 86.3265

 2.1879, 8.5915,
0.0000

 178.0554,
268.2900, 112.7650

 0.7364, 4.4757,
0.0000

218.0834,

 0.0000, 1.9431,

321.3863, 144.1156

0.0000

263.7012,
381.0630, 180.7968

■ 0.0000, 0.5741,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.8152, 66.3715,
13.1665

■ 34.8152, 66.3715,
13.1665

■ 33.4667, 65.7145,
11.4718


■ 37.0089, 67.4373,
16.2998


■ 32.9282, 65.4490,
10.8974


■ 40.1523, 68.9549,
21.0936


■ 44.3395, 70.9708,
27.7364

■ 49.6522, 73.5236,
36.3903

 56.1636, 76.6478,
47.1998

 63.9410, 80.3754,
60.2958

 73.0466, 84.7358,
75.7990

 83.5384, 89.7565,
93.8218

 91.9438, 93.7875,
107.8646

Harmonies

Analogous

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



50.8989, 66.3715, 4.6337



34.8152, 66.3715, 13.1665



27.4437, 66.3715, 44.3197

Triad

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



34.8152, 66.3715, 13.1665



52.3704, 66.3715, 299.1841



120.2488, 66.3715, 40.9331

Complementary

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



34.8152, 66.3715, 13.1665



49.6286, 24.9102, 88.5822

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.



120.9429, 66.3715, 110.0221



34.8152, 66.3715, 13.1665



77.0737, 66.3715, 295.8690

Square

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



34.8152, 66.3715, 13.1665



35.6501, 66.3715, 220.0238



103.5817, 66.3715, 212.7000



101.8776, 66.3715, 12.0656

Rectangle

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



34.8152, 66.3715, 13.1665



26.8008, 66.3715, 87.5020



103.5817, 66.3715, 212.7000



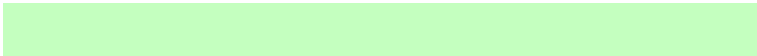
122.6930, 66.3715, 58.9122

Sweetspot

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



34.8167, 66.3743, 13.1680



68.0271, 87.0648, 62.6544



65.8436, 75.1159, 13.2200



13.9077, 18.3226, 12.3099



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.



34.8167, 66.3743, 13.1680



36.1145, 71.7011, 12.0095



37.4132, 67.3216, 30.9619



16.4031, 18.5343, 17.5105



17.7821, 35.2798, 5.8725



1.6039, 3.1219, 0.5181

Inverse Universe

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



49.6286, 24.9102, 88.5822



52.3770, 24.9573, 96.6644



44.8684, 23.6229, 35.6473



17.0773, 16.6980, 20.8655



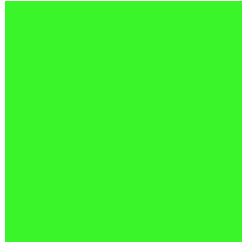
25.7800, 12.2644, 47.5465



2.3033, 1.0973, 4.1806

Previews

White Background



This preview shows how the XYZ color 34.8152, 66.3715, 13.1665 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 34.8152, 66.3715, 13.1665 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 34.8152, 66.3715, 13.1665

Background



This preview shows how black text looks on a background with the XYZ color 34.8152, 66.3715, 13.1665.



This preview shows how white text looks on a background with the XYZ color 34.8152, 66.3715,

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

34.8152, 66.3715, 13.1665

Protanopia

58.4938, 64.7029, 10.8448

Deuteranopia

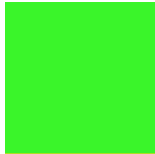
65.2852, 64.6709, 24.3711



Tritanopia

51.4482, 65.7855, 97.1750

Trichromacy



Original Color

34.8152, 66.3715, 13.1665



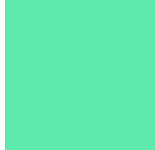
Protanomaly

43.7194, 61.6734, 11.2690



Deuteranomaly

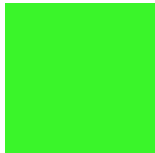
46.3201, 60.8982, 18.3300



Tritanomaly

41.4853, 64.2039, 49.2358

Monochromacy



Original Color

34.8152, 66.3715, 13.1665



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

31.7187, 44.9227, 25.0884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8152, 66.3715, 13.1665 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(58, 245, 42)` looks like.

```
.text, #text, p{  
  color:rgb(58, 245, 42)  
}
```

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(58, 245, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 245, 42) }
```

Border

The CSS property to change the border of an element to XYZ 34.8152, 66.3715, 13.1665 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(58, 245, 42) }
```


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

```
.border{ border-color:rgb(58, 245, 42) }
```

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

Here you see how a box with a 4 pixel rgb(58, 245, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 245, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 245, 42);  
box-shadow:4px 4px 4px 4px rgb(58, 245,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8152, 66.3715, 13.1665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 245, 42) }
```

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

```
.background{ background-color: rgb(58, 245,  
42) }
```

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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