

Converting Colors

XYZ(34.7725, 59.1678, 15.1720)

Have a look what the booklet for
XYZ(34.7725, 59.1678, 15.1720)
contains.

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Color

**XYZ(34.6433, 58.9197,
15.1770)**

Conversions

Conversions Part 1

Format	Color
Hex	69E445
RGB	105, 228, 69
RGB Percent	41%, 89%, 27%
CMY	0.5882, 0.1059, 0.7294
CMYK	0.54, 0.00, 0.70, 0.11
HSL	106°, 75%, 58%
HSV	106°, 70%, 89%
XYZ	34.6433, 58.9197, 15.1770
YIQ	173.0970, -22.2690, -75.5250

Conversions

Conversions Part 2

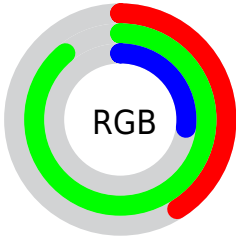
Format	Color
RYB	69, 228, 192
Decimal	6939717
CIELab	81.25, -62.01, 63.97
CIElCh	81, 89.091, 134.109
Yxy	58.9197, 0.3186, 0.5418
Android (android.graphics.Color)	4285129797 (0xFF69E445)
YUV	173.0970, -51.3198, -59.7211
Hunter-Lab	76.7592, -53.7671, 42.0085

Details

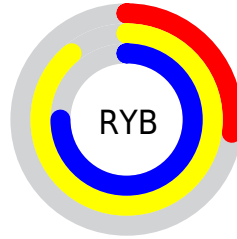
The XYZ color **34.6433, 58.9197, 15.1770** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **37.8733, 21.0663, 75.4720**, and the grayscale version is **40.0333, 42.1181, 45.8667**.

A 20% lighter version of the original color is **55.1876, 81.1077, 32.1487**, and **15.1280, 29.4171, 4.8807** is the 20% darker color. If you saturate the color by 10%, you get **32.2061, 57.7317, 12.0519**, and if you desaturate by 10%, it is **37.7847, 60.4429, 19.7560**.

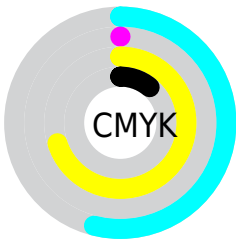
Distribution



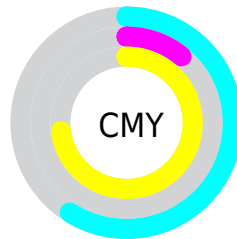
- Red (41%)
- Green (89%)
- Blue (27%)



- Red (27%)
- Yellow (89%)
- Blue (75%)



- Cyan (54%)
- Magenta (0%)
- Yellow (70%)
- Black (11%)





- Cyan (59%)
- Magenta (11%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6433, 58.9197, 15.1770 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 34.6433, 58.9197, 15.1770 by changing the saturation by 10% instead.


 34.6433, 58.9197,
15.1770


 34.6433, 58.9197,
15.1770


314.5267,
420.6043, 236.1126


 23.5535, 42.5485,
8.7957


 66.2705, 103.2609,
35.9101


 15.1256, 29.5310,
4.5132


 87.5385, 131.9998,
51.0989


 8.9945, 19.4829,
1.9109


 112.9300,
165.6299, 70.0607

 4.7947, 12.0197,
0.4996

 142.8103,
204.5358, 93.2140

 2.1608, 6.7571,
0.0000

 177.5448,
249.1017, 120.9773

 0.7220, 3.3107,
0.0000

217.4988,

 0.0000, 1.2960,

299.7122, 153.7691

0.0000

263.0377,
356.7516, 192.0081

■ 0.0000, 0.1381,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.6433, 58.9197,
15.1770

■ 34.6433, 58.9197,
15.1770

■ 32.2061, 57.7317,
12.0519

■ 37.7847, 60.4429,
19.7560

■ 30.4092, 56.8445,
10.2014


■ 41.6786, 62.3176,
25.9330


■ 29.1684, 56.2228,
9.3321

■ 46.3734, 64.5677,
33.8389


■ 29.1411, 56.2091,
9.3136


■ 51.9121, 67.2129,
43.5902

 58.3345, 70.2714,
55.2932

 65.6780, 73.7603,
69.0460

 73.9777, 77.6957,
84.9403

 83.2666, 82.0929,
103.0622

 87.0346, 83.9692,
106.2282

Harmonies

Analogous

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



47.7404, 58.9197, 7.3041



34.6433, 58.9197, 15.1770



28.2002, 58.9197, 40.0282

Triad

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



34.6433, 58.9197, 15.1770



46.7820, 58.9197, 221.3379



98.2613, 58.9197, 42.3148

Complementary

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



34.6433, 58.9197, 15.1770



37.8733, 21.0663, 75.4720

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.



97.8435, 58.9197, 96.4270



34.6433, 58.9197, 15.1770



65.1643, 58.9197, 223.2237

Square

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



34.6433, 58.9197, 15.1770



34.0760, 58.9197, 164.9014



84.7128, 58.9197, 169.1599



85.7524, 58.9197, 16.0541

Rectangle

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



34.6433, 58.9197, 15.1770



27.4021, 58.9197, 71.7629



84.7128, 58.9197, 169.1599



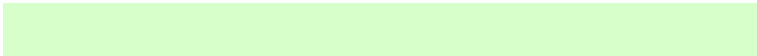
99.7017, 58.9197, 57.1021

Sweetspot

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



34.6447, 58.9222, 15.1783



73.9627, 89.9902, 69.0079



51.6806, 54.1444, 13.3582



15.3235, 19.0200, 13.8396



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.



34.6447, 58.9222, 15.1783



40.3046, 73.8170, 14.2034



33.0908, 57.9112, 24.5901



14.4930, 16.2457, 15.2763



16.9111, 32.4995, 5.3817



1.3292, 2.4426, 0.4014

Inverse Universe

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



37.8733, 21.0663, 75.4720



44.4310, 21.9868, 96.5098



42.9457, 24.2800, 48.6573



14.6593, 14.4421, 18.1593



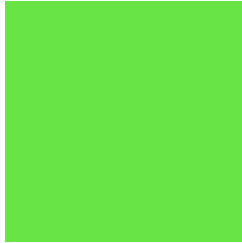
18.5824, 8.6455, 43.0725



1.4516, 0.6793, 3.1866

Previews

White Background



This preview shows how the XYZ color 34.6433, 58.9197, 15.1770 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 34.6433, 58.9197, 15.1770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

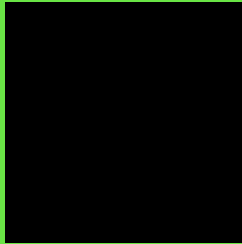
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.6433, 58.9197, 15.1770

Background



This preview shows how black text looks on a background with the XYZ color 34.6433, 58.9197, 15.1770.

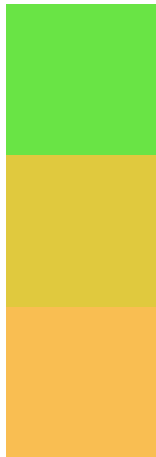


This preview shows how white text looks on a background with the XYZ color 34.6433, 58.9197,

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

34.6433, 58.9197, 15.1770

Protanopia

52.4966, 57.9684, 12.9796

Deuteranopia

59.0034, 57.5758, 15.9861



Tritanopia

48.2305, 58.5359, 83.6195

Trichromacy



Original Color

34.6433, 58.9197, 15.1770



Protanomaly

43.3045, 56.7939, 13.6810



Deuteranomaly

45.9584, 55.5919, 15.3292



Tritanomaly

40.8795, 57.4431, 47.4611

Monochromacy



Original Color

34.6433, 58.9197, 15.1770



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.6559, 46.1851, 29.9570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6433, 58.9197, 15.1770 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(105, 228, 69)` looks like.

```
.text, #text, p{  
    color:rgb(105, 228, 69)  
}
```

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(105, 228, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 228, 69) }
```

Border

The CSS property to change the border of an element to XYZ 34.6433, 58.9197, 15.1770 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(105, 228, 69) }
```


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

```
.border{ border-color:rgb(105, 228, 69) }
```

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

Here you see how a box with a 4 pixel rgb(105, 228, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 228, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 228, 69);  
box-shadow:4px 4px 4px 4px rgb(105, 228,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6433, 58.9197, 15.1770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 228, 69) }
```

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

```
.background{ background-color: rgb(105,  
228, 69) }
```

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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