

Converting Colors

XYZ(34.9886, 58.5294, 21.4738)

Have a look what the booklet for
XYZ(34.9886, 58.5294, 21.4738)
contains.

XYZ(35.0249, 58.5676, 21.5153)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.0249, 58.5676,
21.5153)**

Conversions

Conversions Part 1

Format	Color
Hex	64E364
RGB	100, 227, 100
RGB Percent	39%, 89%, 39%
CMY	0.6078, 0.1098, 0.6078
CMYK	0.56, 0.00, 0.56, 0.11
HSL	120°, 69%, 64%
HSV	120°, 56%, 89%
XYZ	35.0249, 58.5676, 21.5153
YIQ	174.5490, -34.9250, -66.4210

Conversions

Conversions Part 2

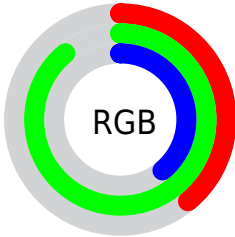
Format	Color
RYB	100, 227, 227
Decimal	6611812
CIELab	81.05, -59.87, 50.84
CIELCh	81, 78.542, 139.660
Yxy	58.5676, 0.3043, 0.5088
Android (android.graphics.Color)	4284801892 (0xFF64E364)
YUV	174.5490, -36.7527, -65.3795
Hunter-Lab	76.5295, -52.2333, 36.9020

Details

The XYZ color **35.0249, 58.5676, 21.5153** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **50.1025, 30.9923, 76.0156**, and the grayscale version is **40.7125, 42.8327, 46.6448**.

A 20% lighter version of the original color is **56.0899, 81.3267, 43.3132**, and **15.2645, 29.1489, 7.5111** is the 20% darker color. If you saturate the color by 10%, you get **31.9054, 57.0709, 16.4118**, and if you desaturate by 10%, it is **39.1526, 60.5521, 28.2660**.

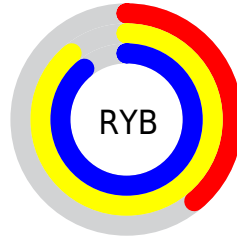
Distribution



Red (39%)

Green (89%)

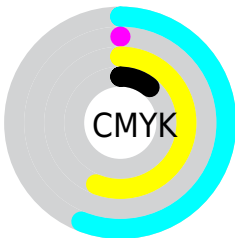
Blue (39%)



Red (39%)

Yellow (89%)

Blue (89%)

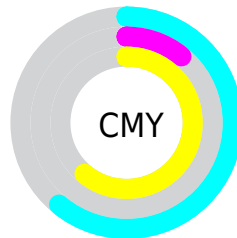


Cyan (56%)

Magenta (0%)

Yellow (56%)

Black (11%)



Cyan (61%)


Magenta (11%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.0249, 58.5676, 21.5153 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 35.0249, 58.5676, 21.5153 by changing the saturation by 10% instead.


 35.0249, 58.5676,
21.5153


 35.0249, 58.5676,
21.5153


316.1843,
419.2976, 272.8749


 23.8487, 42.2651,
13.3063


 66.8581, 102.7490,
46.8354


 15.3455, 29.3090,
7.5066


 88.2458, 131.3966,
64.7837

 9.1501, 19.3147,
3.6977

 113.7680,
164.9282, 86.8153

 4.8971, 11.8979,
1.4610

 143.7901,
203.7280, 113.3491

 2.2212, 6.6742,
0.1886

178.6774,
248.1804, 144.8033

 0.7539, 3.2592,
0.0000

218.7953,

 0.0000, 1.2685,

298.6699, 181.5967

0.0000

264.5092,
355.5809, 224.1477

■ 0.0000, 0.1166,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.0249, 58.5676,
21.5153

■ 35.0249, 58.5676,
21.5153

■ 31.9054, 57.0709,
16.4118

■ 39.1526, 60.5521,
28.2660

■ 29.7041, 56.0135,
12.8110


■ 44.3603, 63.0536,
36.7841


■ 28.3222, 55.3497,
10.5505


■ 50.7180, 66.1076,
47.1833


■ 27.6358, 55.0200,
9.4277

■ 58.2889, 69.7442,
59.5668

 27.4703, 54.9405,
9.1569

 67.1313, 73.9917,
74.0300

 77.2999, 78.8762,
90.6624

 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.



45.7703, 58.5676, 11.0786



35.0249, 58.5676, 21.5153



30.1680, 58.5676, 48.9722

Triad

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



35.0249, 58.5676, 21.5153



50.2264, 58.5676, 199.1772



90.7215, 58.5676, 38.0790

Complementary

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



35.0249, 58.5676, 21.5153



50.1025, 30.9923, 76.0156

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.



92.5598, 58.5676, 81.2840



35.0249, 58.5676, 21.5153



66.8958, 58.5676, 191.2170

Square

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



35.0249, 58.5676, 21.5153



37.7371, 58.5676, 159.6216



83.1487, 58.5676, 141.3478



78.5299, 58.5676, 16.8927

Rectangle

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



35.0249, 58.5676, 21.5153



30.1250, 58.5676, 80.0558



83.1487, 58.5676, 141.3478



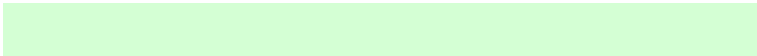
92.6506, 58.5676, 49.8580

Sweetspot

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



35.0263, 58.5701, 21.5166



74.6502, 90.2010, 75.5328



61.4504, 72.1922, 22.7526



15.5319, 19.0923, 15.4371



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.



35.0263, 58.5701, 21.5166



41.0359, 74.0543, 20.5502



39.3819, 60.3123, 44.4527



14.1894, 16.0892, 15.2622



16.0201, 32.0401, 5.3401



1.1838, 2.3677, 0.3946

Inverse Universe

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



50.1025, 30.9923, 76.0156



62.4714, 34.8437, 98.0376



42.8932, 28.1085, 38.0517



14.9952, 14.6153, 18.1750



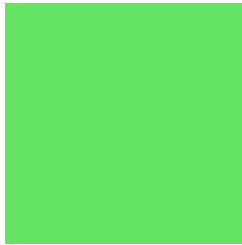
26.5609, 12.7586, 43.4439



1.9628, 0.9428, 3.2104

Previews

White Background



This preview shows how the XYZ color 35.0249, 58.5676, 21.5153 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 35.0249, 58.5676, 21.5153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

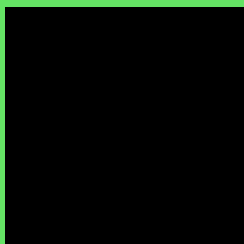
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.0249, 58.5676, 21.5153

Background



This preview shows how black text looks on a background with the XYZ color 35.0249, 58.5676, 21.5153.

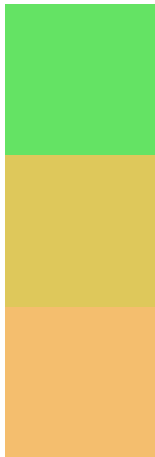


This preview shows how white text looks on a background with the XYZ color 35.0249, 58.5676,

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

35.0249, 58.5676, 21.5153

Protanopia

52.6668, 57.5935, 18.2383

Deuteranopia

58.5362, 57.1858, 22.7046



Tritanopia

47.4240, 58.1038, 84.3170

Trichromacy



Original Color

35.0249, 58.5676, 21.5153



Protanomaly

43.4271, 56.3663, 19.1806



Deuteranomaly

45.6957, 54.9589, 21.8354



Tritanomaly

41.2264, 57.4836, 53.7223

Monochromacy



Original Color

35.0249, 58.5676, 21.5153



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

36.8498, 47.0176, 35.1501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0249, 58.5676, 21.5153 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(100, 227, 100)` looks like.

```
.text, #text, p{  
    color:rgb(100, 227, 100)  
}
```

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(100, 227, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 227, 100) }
```

Border

The CSS property to change the border of an element to XYZ 35.0249, 58.5676, 21.5153 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(100, 227, 100) }
```


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

```
.border{ border-color:rgb(100, 227, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 227, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 227, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 227, 100);  
box-shadow:4px 4px 4px 4px rgb(100, 227,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0249, 58.5676, 21.5153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 227, 100) }
```

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

```
.background{ background-color: rgb(100,  
227, 100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor