

Converting Colors

XYZ(35.1688, 64.8271, 10.6593)

Have a look what the booklet for
XYZ(35.1688, 64.8271, 10.6593)
contains.

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Color

**XYZ(35.2016, 64.8419,
10.6604)**

Conversions

Conversions Part 1

Format	Color
Hex	55F100
RGB	85, 241, 0
RGB Percent	33%, 95%, 0%
CMY	0.6667, 0.0549, 0.9999
CMYK	0.65, 0.00, 1.00, 0.05
HSL	99°, 100%, 47%
HSV	99°, 100%, 95%
XYZ	35.2016, 64.8419, 10.6604
YIQ	166.8820, -15.6150, -108.0230

Conversions

Conversions Part 2

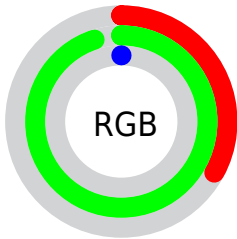
Format	Color
RYB	0, 241, 156
Decimal	5632256
CIELab	84.40, -73.70, 80.93
CIELCh	84, 109.457, 132.323
Yxy	64.8419, 0.3180, 0.5857
Android (android.graphics.Color)	4283822336 (0xFF55F100)
YUV	166.8820, -82.2728, -71.8105
Hunter-Lab	80.5245, -62.8858, 48.5179

Details

The XYZ color **35.2016, 64.8419, 10.6604** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark saturated green. A complement of this color would be **29.5960, 13.4237, 84.2538**, and the grayscale version is **37.0701, 39.0006, 42.4717**.

A 20% lighter version of the original color is **50.7423, 79.0305, 22.2529**, and **16.9335, 33.8670, 5.6445** is the 20% darker color. If you saturate the color by 10%, you get **35.2009, 64.8435, 10.6608**, and if you desaturate by 10%, it is **36.9453, 65.7236, 11.6102**.

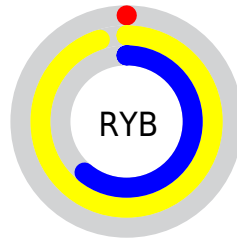
Distribution



Red (33%)

Green (95%)

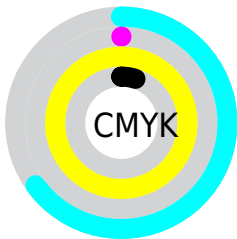
Blue (0%)



Red (0%)

Yellow (95%)

Blue (61%)

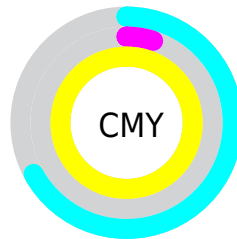


Cyan (65%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (67%)


Magenta (5%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2016, 64.8419, 10.6604 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 35.2016, 64.8419, 10.6604 by changing the saturation by 10% instead.

 35.2016, 64.8419,
10.6604


 35.2016, 64.8419,
10.6604


316.9497,
442.2236, 205.9757


 23.9855, 47.3329,
5.7277


 67.1299, 111.8225,
27.6574

 15.4475, 33.2989,
2.6141


 88.5728, 142.0629,
40.5589


 9.2224, 22.3555,
0.8997

 114.1553,
177.3159, 56.9536

 4.9448, 14.1184,
0.0000

 144.2428,
217.9659, 77.2601

 2.2493, 8.2030,
0.0000

 179.2007,
264.3973, 101.8971

 0.7686, 4.2251,
0.0000

 219.3942,

 0.0000, 1.8003,

316.9944, 131.2830

0.0000

265.1888,
376.1417, 165.8364

■ 0.0000, 0.4874,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.2016, 64.8419,
10.6604

■ 35.2016, 64.8419,
10.6604

■ 35.2009, 64.8435,
10.6608

■ 36.9453, 65.7236,
11.6102

■ 39.2247, 66.8557,
13.6588

■ 42.1230, 68.2756,
17.1468

■ 45.6944, 70.0069,
22.2761

■ 49.9864, 72.0703,
29.2167

■ 55.0412, 74.4844,
38.1173

■ 60.8976, 77.2662,
49.1110

■ 67.5916, 80.4317,
62.3194

■ 75.1566, 83.9956,
77.8549

Harmonies

Analogous

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



52.1787, 64.8419, 3.9436



35.2016, 64.8419, 10.6604



26.9495, 64.8419, 37.2440

Triad

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



35.2016, 64.8419, 10.6604



48.4935, 64.8419, 290.5175



119.5345, 64.8419, 45.7019

Complementary

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



35.2016, 64.8419, 10.6604



29.5960, 13.4237, 84.2538

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.



117.7850, 64.8419, 119.5750



35.2016, 64.8419, 10.6604



72.1594, 64.8419, 298.9101

Square

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



35.2016, 64.8419, 10.6604



33.1181, 64.8419, 204.6156



98.7830, 64.8419, 223.1262



103.0734, 64.8419, 13.3702

Rectangle

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



35.2016, 64.8419, 10.6604



25.7189, 64.8419, 76.1716



98.7830, 64.8419, 223.1262



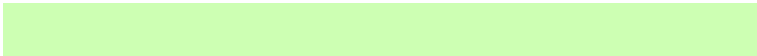
121.1577, 64.8419, 65.3104

Sweetspot

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



35.2031, 64.8446, 10.6618



69.1539, 87.8011, 55.6857



47.6112, 41.3692, 5.4767



14.1757, 18.4960, 10.7260



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.



35.2031, 64.8446, 10.6618



39.9679, 73.6893, 12.1169



31.7200, 63.0187, 11.8702



16.0917, 17.9274, 16.7619



19.2201, 35.2299, 5.7870



1.7031, 2.9845, 0.4863

Inverse Universe

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



29.5960, 13.4237, 84.2538



33.5853, 15.2287, 95.7770



47.7707, 23.2996, 62.2200



15.8820, 15.7364, 19.9220



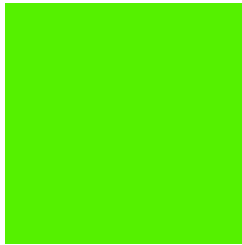
16.1988, 7.3562, 45.6940



1.4550, 0.6673, 3.8063

Previews

White Background



This preview shows how the XYZ color 35.2016, 64.8419, 10.6604 looks on a white background.

Color Contrast Check

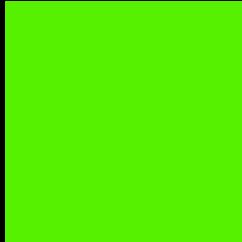
Large Text (above 18pt) WCAG AA × Fail

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 35.2016, 64.8419, 10.6604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

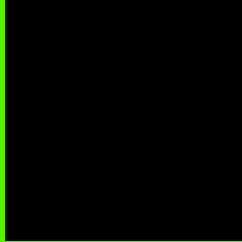
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.2016, 64.8419, 10.6604

Background



This preview shows how black text looks on a background with the XYZ color 35.2016, 64.8419, 10.6604.



This preview shows how white text looks on a background with the XYZ color 35.2016, 64.8419,

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

35.2016, 64.8419, 10.6604

Protanopia

57.3925, 63.4338, 9.2190

Deuteranopia

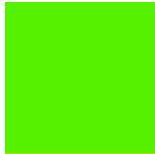
64.1464, 63.4694, 20.6743



Tritanopia

51.5848, 64.3113, 93.6989

Trichromacy



Original Color

35.2016, 64.8419, 10.6604



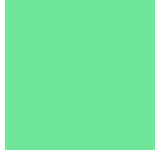
Protanomaly

44.9125, 61.5367, 9.5106



Deuteranomaly

47.1900, 60.2972, 13.8540



Tritanomaly

40.8116, 62.3715, 40.4598

Monochromacy



Original Color

35.2016, 64.8419, 10.6604



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

32.2098, 44.9425, 20.6128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2016, 64.8419, 10.6604 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(85, 241, 0)` looks like.

```
.text, #text, p{  
    color:rgb(85, 241, 0)  
}
```

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(85, 241, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 241, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.2016, 64.8419, 10.6604 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(85, 241, 0) }
```


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

```
.border{ border-color:rgb(85, 241, 0) }
```

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

Here you see how a box with a 4 pixel rgb(85, 241, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 241, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 241, 0);  
box-shadow:4px 4px 4px 4px rgb(85, 241, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.2016, 64.8419, 10.6604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 241, 0) }
```

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

```
.background{ background-color: rgb(85, 241,  
0) }
```

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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