

Converting Colors

XYZ(35.9032, 70.4410, 15.8451)

Have a look what the booklet for
XYZ(35.9032, 70.4410, 15.8451)
contains.

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Color

**XYZ(35.9773, 70.5986,
15.8684)**

Conversions

Conversions Part 1

Format	Color
Hex	05FD3B
RGB	5, 253, 59
RGB Percent	2%, 99%, 23%
CMY	0.9804, 0.0078, 0.7686
CMYK	0.98, 0.00, 0.77, 0.01
HSL	133°, 98%, 51%
HSV	133°, 98%, 99%
XYZ	35.9773, 70.5986, 15.8684
YIQ	156.7320, -85.5340, -112.9100

Conversions

Conversions Part 2

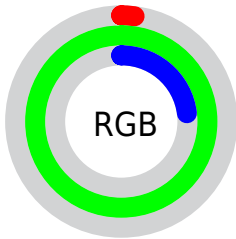
Format	Color
RYB	5, 209, 253
Decimal	392507
CIELab	87.29, -83.53, 72.84
CIELCh	87, 110.823, 138.911
Yxy	70.5986, 0.2938, 0.5766
Android (android.graphics.Color)	4278582587 (0xFF05FD3B)
YUV	156.7320, -48.1819, -133.0690
Hunter-Lab	84.0230, -70.6093, 47.6187

Details

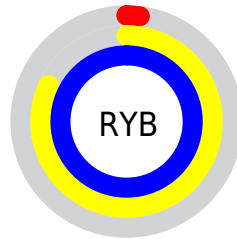
The XYZ color **35.9773, 70.5986, 15.8684** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **50.8728, 25.1156, 56.1994**, and the grayscale version is **32.1666, 33.8418, 36.8537**.

A 20% lighter version of the original color is **46.6975, 76.7738, 29.8104**, and **19.2918, 38.5836, 6.4306** is the 20% darker color. If you saturate the color by 10%, you get **35.8185, 70.5301, 15.3521**, and if you desaturate by 10%, it is **37.0750, 71.0956, 19.1277**.

Distribution



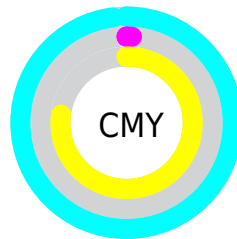
- Red (2%)
- Green (99%)
- Blue (23%)



- Red (2%)
- Yellow (82%)
- Blue (99%)



- Cyan (98%)
- Magenta (0%)
- Yellow (77%)
- Black (1%)





- Cyan (98%)
- Magenta (1%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9773, 70.5986, 15.8684 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 35.9773, 70.5986, 15.8684 by changing the saturation by 10% instead.


 35.9773, 70.5986,
15.8684


 35.9773, 70.5986,
15.8684


320.2943,
462.6490, 240.3831


 24.5867, 52.0147,
9.2777


 68.3211, 120.0620,
37.1332

 15.8965, 37.0168,
4.8235


 90.0051, 151.7103,
52.6444


 9.5413, 25.2205,
2.0872


 115.8508,
188.4822, 71.9662

 5.1558, 16.2414,
0.6081

 146.2237,
230.7620, 95.5171

 2.3747, 9.6951,
0.0000

 181.4892,
278.9342, 123.7158

 0.8325, 5.1973,
0.0000

222.0125,

 0.0000, 2.3635,

333.3832, 156.9806

0.0000

268.1591,
394.4933, 195.7302

■ 0.0000, 0.8070,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.9773, 70.5986,
15.8684

■ 35.9773, 70.5986,
15.8684

■ 35.8185, 70.5301,
15.3521

■ 37.0750, 71.0956,
19.1277

■ 38.9682, 71.9758,
23.5409

■ 41.8047, 73.3156,
29.2067

■ 45.6950, 75.1702,
36.2112

■ 50.7338, 77.5866,
44.6331

■ 57.0049, 80.6065,
54.5446

■ 64.5841, 84.2678,
66.0131

■ 73.5411, 88.6049,
79.1019

■ 83.9405, 93.6498,
93.8708

Harmonies

Analogous

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



52.1363, 70.5986, 5.3481



35.9773, 70.5986, 15.8684



28.9620, 70.5986, 52.4407

Triad

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



35.9773, 70.5986, 15.8684



57.9185, 70.5986, 321.2085



126.5454, 70.5986, 39.1084

Complementary

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



35.9773, 70.5986, 15.8684



50.8728, 25.1156, 56.1994

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.



129.2653, 70.5986, 107.9060



35.9773, 70.5986, 15.8684



84.6879, 70.5986, 308.2413

Square

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



35.9773, 70.5986, 15.8684



39.2627, 70.5986, 243.6931



112.3973, 70.5986, 215.0221



105.7165, 70.5986, 11.5075

Rectangle

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



35.9773, 70.5986, 15.8684



28.7736, 70.5986, 101.3119



112.3973, 70.5986, 215.0221



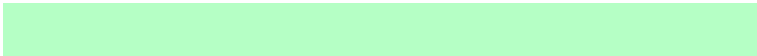
129.7779, 70.5986, 56.7137

Sweetspot

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



35.9790, 70.6015, 15.8700



64.9234, 85.3881, 65.9752



58.7793, 82.4436, 12.9589



13.1681, 17.9247, 13.0273



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.



35.9790, 70.6015, 15.8700



36.4623, 71.8009, 15.6184



43.7093, 73.6936, 56.5773



17.9334, 20.2329, 19.9525



19.0970, 37.5354, 8.3960



1.8978, 3.6700, 1.0196

Inverse Universe

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



50.8728, 25.1156, 56.1994



51.6036, 25.4055, 56.5041



41.8432, 21.5038, 8.6506



18.6134, 18.2287, 21.8470



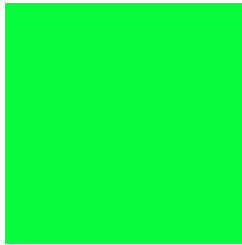
27.0219, 13.2981, 29.8296



2.6710, 1.3108, 3.1149

Previews

White Background



This preview shows how the XYZ color 35.9773, 70.5986, 15.8684 looks on a white background.

Color Contrast Check

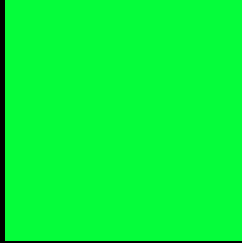
Large Text (above 18pt) WCAG AA × Fail

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 35.9773, 70.5986, 15.8684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

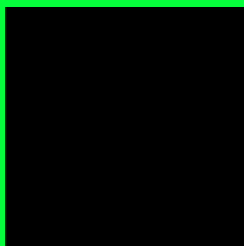
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.9773, 70.5986, 15.8684

Background



This preview shows how black text looks on a background with the XYZ color 35.9773, 70.5986, 15.8684.

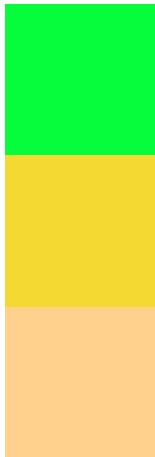


This preview shows how white text looks on a background with the XYZ color 35.9773, 70.5986,

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

35.9773, 70.5986, 15.8684

Protanopia

62.3507, 68.9107, 13.0325

Deuteranopia

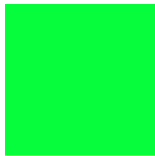
68.7741, 68.7544, 34.4571



Tritanopia

53.8712, 70.2142, 105.3211

Trichromacy



Original Color

35.9773, 70.5986, 15.8684



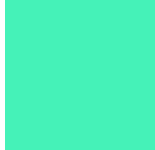
Protanomaly

42.6497, 63.9186, 13.4578



Deuteranomaly

45.1043, 62.8906, 24.8008



Tritanomaly

42.8581, 68.2302, 56.2583

Monochromacy



Original Color

35.9773, 70.5986, 15.8684



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

27.7803, 41.9045, 24.7134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9773, 70.5986, 15.8684 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(5, 253, 59)` looks like.

```
.text, #text, p{  
    color:rgb(5, 253, 59)  
}
```

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(5, 253, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 253, 59) }
```

Border

The CSS property to change the border of an element to XYZ 35.9773, 70.5986, 15.8684 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(5, 253, 59) }
```


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

```
.border{ border-color:rgb(5, 253, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 253, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 253, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 253, 59);  
box-shadow:4px 4px 4px 4px rgb(5, 253, 59)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.9773, 70.5986, 15.8684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 253, 59) }
```

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

```
.background{ background-color: rgb(5, 253,  
59) }
```

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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