

Converting Colors

XYZ(35.6762, 70.9774, 13.0480)

Have a look what the booklet for
XYZ(35.6762, 70.9774, 13.0480)
contains.

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Color

**XYZ(35.6762, 70.9774,
13.0480)**

Conversions

Conversions Part 1

Format	Color
Hex	00FE1E
RGB	0, 254, 30
RGB Percent	0%, 100%, 12%
CMY	1.0000, 0.0039, 0.8823
CMYK	1.00, 0.00, 0.88, 0.00
HSL	127°, 100%, 50%
HSV	127°, 100%, 100%
XYZ	35.6762, 70.9774, 13.0480
YIQ	152.5180, -79.4800, -123.5120

Conversions

Conversions Part 2

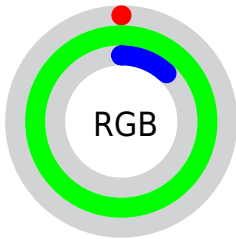
Format	Color
RYB	0, 227, 254
Decimal	65054
CIELab	87.47, -85.33, 79.80
CIELCh	87, 116.832, 136.919
Yxy	70.9774, 0.2980, 0.5930
Android (android.graphics.Color)	4278255134 (0xFF00FE1E)
YUV	152.5180, -60.4014, -133.7583
Hunter-Lab	84.2481, -71.8455, 49.7911

Details

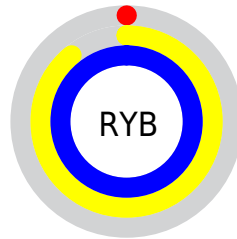
The XYZ color **35.6762, 70.9774, 13.0480** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **54.3280, 26.4531, 72.7570**, and the grayscale version is **30.3499, 31.9305, 34.7723**.

A 20% lighter version of the original color is **45.7167, 76.3815, 24.6455**, and **19.5151, 39.0302, 6.5050** is the 20% darker color. If you saturate the color by 10%, you get **35.6778, 70.9803, 13.0494**, and if you desaturate by 10%, it is **36.4834, 71.3500, 15.1472**.

Distribution



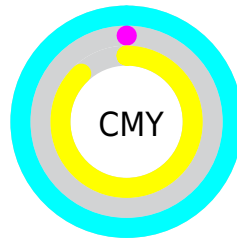
- Red (0%)
- Green (100%)
- Blue (12%)



- Red (0%)
- Yellow (89%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (88%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6762, 70.9774, 13.0480 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 35.6762, 70.9774, 13.0480 by changing the saturation by 10% instead.


 35.6762, 70.9774,
13.0480


 35.6762, 70.9774,
13.0480


318.9990,
463.9744, 222.4437


 24.3532, 52.3238,
7.3305


 67.8591, 120.6015,
32.0824

 15.7220, 37.2632,
3.5881


 89.4498, 152.3408,
46.2365


 9.4172, 25.4113,
1.4022


 115.1936,
189.2108, 64.0397

 5.0736, 16.3838,
0.1434

 145.4561,
231.5958, 85.9108

 2.3257, 9.7961,
0.0000

 180.6025,
279.8803, 112.2682

 0.8078, 5.2640,
0.0000

 220.9982,

 0.0000, 2.4030,

334.4486, 143.5304

0.0000

267.0086,
395.6852, 180.1161

■ 0.0000, 0.8274,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.6762, 70.9774,
13.0480

■ 35.6762, 70.9774,
13.0480


■ 35.6778, 70.9803,
13.0494


■ 36.4834, 71.3500,
15.1472


■ 38.0623, 72.0907,
18.5323


■ 40.6077, 73.2985,
23.3695


■ 44.2448, 75.0350,
29.7977

 49.0799, 77.3523,
37.9397

 55.2063, 80.2964,
47.9061

 62.7083, 83.9083,
59.7982

 71.6628, 88.2259,
73.7099

 82.1411, 93.2840,
89.7290

Harmonies

Analogous

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



53.1797, 70.9774, 4.0257



35.6762, 70.9774, 13.0480



27.8778, 70.9774, 47.7603

Triad

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



35.6762, 70.9774, 13.0480



56.1604, 70.9774, 339.5705



131.9555, 70.9774, 40.9825

Complementary

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



35.6762, 70.9774, 13.0480



54.3280, 26.4531, 72.7570

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.



133.3980, 70.9774, 116.9909



35.6762, 70.9774, 13.0480



84.0964, 70.9774, 332.5588

Square

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



35.6762, 70.9774, 13.0480



37.3434, 70.9774, 249.6788



114.0645, 70.9774, 234.2921



110.5382, 70.9774, 10.9725

Rectangle

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



35.6762, 70.9774, 13.0480



27.3324, 70.9774, 97.0538



114.0645, 70.9774, 234.2921



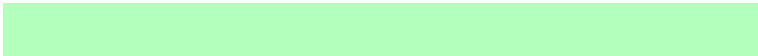
134.9631, 70.9774, 60.3967

Sweetspot

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



35.6779, 70.9803, 13.0496



63.2626, 84.6552, 60.3229



66.2989, 86.7932, 13.2585



12.8204, 17.7727, 11.7767



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.



35.6779, 70.9803, 13.0496



35.9960, 71.6144, 13.1629



41.4982, 73.3085, 43.6990



17.8588, 20.2031, 19.5597



18.8360, 37.4310, 7.0218



1.8606, 3.6552, 0.8238

Inverse Universe

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



54.3280, 26.4531, 72.7570



54.8126, 26.6891, 73.4025



43.0497, 21.9418, 13.3662



18.6948, 18.2612, 22.2759



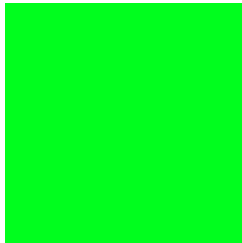
28.6775, 13.9603, 38.5478



2.8173, 1.3693, 3.8851

Previews

White Background



This preview shows how the XYZ color 35.6762, 70.9774, 13.0480 looks on a white background.

Color Contrast Check

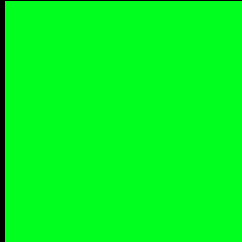
Large Text (above 18pt) WCAG AA × Fail

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 35.6762, 70.9774, 13.0480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

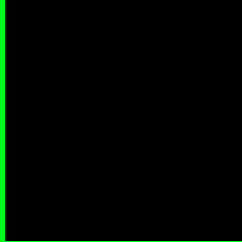
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

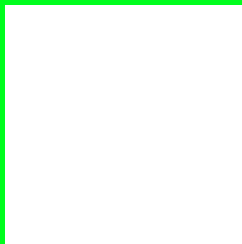
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.6762, 70.9774, 13.0480

Background



This preview shows how black text looks on a background with the XYZ color 35.6762, 70.9774, 13.0480.



This preview shows how white text looks on a background with the XYZ color 35.6762, 70.9774,

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

35.6762, 70.9774, 13.0480

Protanopia

62.8211, 69.5927, 10.6119

Deuteranopia

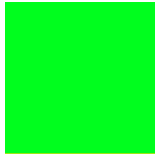
69.0202, 69.2466, 34.5391



Tritanopia

54.2298, 70.3991, 105.3379

Trichromacy



Original Color

35.6762, 70.9774, 13.0480



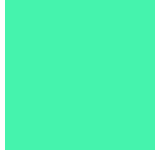
Protanomaly

42.4216, 64.2739, 10.8797



Deuteranomaly

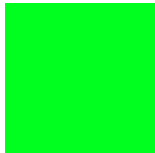
44.3969, 62.9942, 21.8757



Tritanomaly

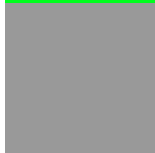
42.0477, 68.3835, 50.5184

Monochromacy



Original Color

35.6762, 70.9774, 13.0480



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.0500, 40.4510, 20.6222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6762, 70.9774, 13.0480 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(0, 254, 30)` looks like.

```
.text, #text, p{  
    color:rgb(0, 254, 30)  
}
```

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(0, 254, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 254, 30) }
```

Border

The CSS property to change the border of an element to XYZ 35.6762, 70.9774, 13.0480 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(0, 254, 30) }
```


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

```
.border{ border-color:rgb(0, 254, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 254, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 254, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 254, 30);  
box-shadow:4px 4px 4px 4px rgb(0, 254, 30)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.6762, 70.9774, 13.0480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 254, 30) }
```

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

```
.background{ background-color: rgb(0, 254,  
30) }
```

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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