

Converting Colors

XYZ(35.5796, 70.2920, 14.4861)

Have a look what the booklet for
XYZ(35.5796, 70.2920, 14.4861)
contains.

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Color

**XYZ(35.6713, 70.4704,
14.5184)**

Conversions

Conversions Part 1

Format	Color
Hex	01FD30
RGB	1, 253, 48
RGB Percent	0%, 99%, 19%
CMY	0.9961, 0.0078, 0.8117
CMYK	1.00, 0.00, 0.81, 0.01
HSL	131°, 99%, 50%
HSV	131°, 100%, 99%
XYZ	35.6713, 70.4704, 14.5184
YIQ	154.2820, -84.3870, -117.1790

Conversions

Conversions Part 2

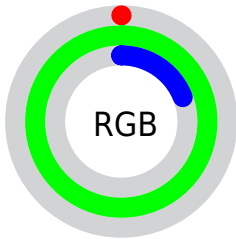
Format	Color
R_{YB}	1, 213, 253
Decimal	130352
CIE Lab	87.23, -84.29, 75.80
CIE LCh	87, 113.357, 138.033
Yxy	70.4704, 0.2956, 0.5840
Android (android.graphics.Color)	4278320432 (0xFF01FD30)
YUV	154.2820, -52.3970, -134.4283
Hunter-Lab	83.9466, -71.0570, 48.5086

Details

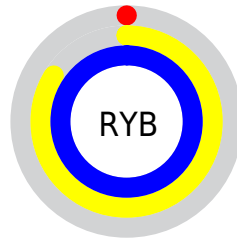
The XYZ color **35.6713, 70.4704, 14.5184** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **51.6607, 25.3613, 60.5630**, and the grayscale version is **31.0910, 32.7102, 35.6214**.

A 20% lighter version of the original color is **46.2370, 76.5896, 27.3853**, and **19.2918, 38.5836, 6.4306** is the 20% darker color. If you saturate the color by 10%, you get **35.6437, 70.4602, 14.4315**, and if you desaturate by 10%, it is **36.6220, 70.9016, 17.3192**.

Distribution



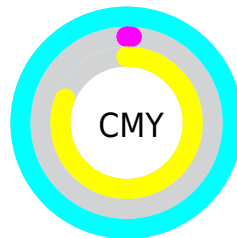
- Red (0%)
- Green (99%)
- Blue (19%)



- Red (0%)
- Yellow (84%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (81%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6713, 70.4704, 14.5184 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 35.6713, 70.4704, 14.5184 by changing the saturation by 10% instead.


 35.6713, 70.4704,
14.5184


 35.6713, 70.4704,
14.5184


318.9779,
462.1999, 231.9719


 24.3494, 51.9101,
8.3392


 67.8516, 119.8793,
34.7363

 15.7191, 36.9334,
4.2219


 89.4407, 151.4968,
49.6122


 9.4152, 25.1560,
1.7479


 115.1829,
188.2354, 68.2240

 5.0722, 16.1933,
0.3932

 145.4436,
230.4796, 90.9904

 2.3249, 9.6610,
0.0000

 180.5881,
278.6137, 118.3298

 0.8074, 5.1748,
0.0000

220.9817,

 0.0000, 2.3502,

333.0223, 150.6609

0.0000

266.9899,
394.0895, 188.4020

■ 0.0000, 0.8001,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.6713, 70.4704,
14.5184

■ 35.6713, 70.4704,
14.5184

■ 35.6437, 70.4602,
14.4315

■ 36.6220, 70.9016,
17.3192

■ 38.3330, 71.6971,
21.3078

■ 40.9806, 72.9476,
26.6019

■ 44.6812, 74.7108,
33.3027

■ 49.5335, 77.0359,
41.5009

■ 55.6250, 79.9660,
51.2798

■ 63.0341, 83.5401,
62.7167

■ 71.8330, 87.7938,
75.8835

■ 82.0885, 92.7601,
90.8481

Harmonies

Analogous

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



52.3491, 70.4704, 4.7063



35.6713, 70.4704, 14.5184



28.3442, 70.4704, 50.1693

Triad

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



35.6713, 70.4704, 14.5184



56.9165, 70.4704, 328.0836



128.4027, 70.4704, 39.7039

Complementary

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



35.6713, 70.4704, 14.5184



51.6607, 25.3613, 60.5630

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.



130.5790, 70.4704, 111.3201



35.6713, 70.4704, 14.5184



84.1107, 70.4704, 317.6167

Square

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



35.6713, 70.4704, 14.5184



38.2482, 70.4704, 245.5164



112.7094, 70.4704, 222.4530



107.3756, 70.4704, 11.1940

Rectangle

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



35.6713, 70.4704, 14.5184



28.0017, 70.4704, 99.0976



112.7094, 70.4704, 222.4530



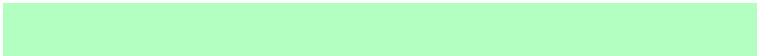
131.5334, 70.4704, 58.0105

Sweetspot

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



35.6729, 70.4733, 14.5200



63.8350, 84.8842, 63.3375



60.8096, 83.4928, 12.9395



12.9515, 17.8251, 12.4670



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.



35.6729, 70.4733, 14.5200



36.2846, 71.7298, 14.6825



42.7018, 73.2849, 51.5335



17.9099, 20.2235, 19.8288



18.9989, 37.4961, 7.8793



1.8850, 3.6649, 0.9524

Inverse Universe

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



51.6607, 25.3613, 60.5630



52.5555, 25.7862, 61.5168



41.9984, 21.4964, 9.6816



18.6388, 18.2388, 21.9809



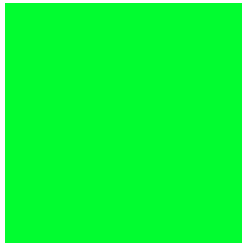
27.5136, 13.4947, 32.4187



2.7148, 1.3283, 3.3454

Previews

White Background



This preview shows how the XYZ color 35.6713, 70.4704, 14.5184 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 35.6713, 70.4704, 14.5184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

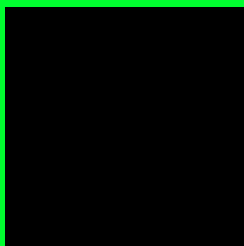
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

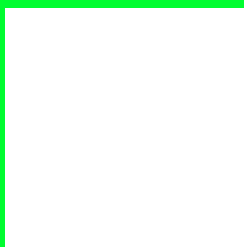
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.6713, 70.4704, 14.5184

Background



This preview shows how black text looks on a background with the XYZ color 35.6713, 70.4704, 14.5184.

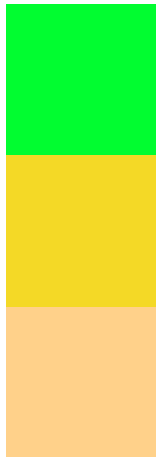


This preview shows how white text looks on a background with the XYZ color 35.6713, 70.4704,

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

35.6713, 70.4704, 14.5184

Protanopia

62.4709, 68.9987, 11.8592

Deuteranopia

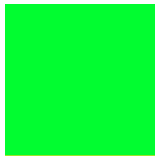
68.6279, 68.6959, 33.6873



Tritanopia

53.8712, 70.2142, 105.3211

Trichromacy



Original Color

35.6713, 70.4704, 14.5184



Protanomaly

42.4250, 63.8287, 12.2746



Deuteranomaly

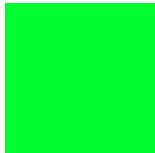
44.5793, 62.6569, 23.1090



Tritanomaly

42.3051, 67.9928, 54.0742

Monochromacy



Original Color

35.6713, 70.4704, 14.5184



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

26.5450, 40.6614, 22.6690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6713, 70.4704, 14.5184 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(1, 253, 48)` looks like.

```
.text, #text, p{  
    color:rgb(1, 253, 48)  
}
```

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(1, 253, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 253, 48) }
```

Border

The CSS property to change the border of an element to XYZ 35.6713, 70.4704, 14.5184 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(1, 253, 48) }
```


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

```
.border{ border-color:rgb(1, 253, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 253, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 253, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 253, 48);  
box-shadow:4px 4px 4px 4px rgb(1, 253, 48)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.6713, 70.4704, 14.5184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 253, 48) }
```

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

```
.background{ background-color: rgb(1, 253,  
48) }
```

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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