

Converting Colors

XYZ(35.8597, 71.5714, 11.9247)

Have a look what the booklet for
XYZ(35.8597, 71.5714, 11.9247)
contains.

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Color

**XYZ(35.8601, 71.5716,
11.9247)**

Conversions

Conversions Part 1

Format	Color
Hex	08FF00
RGB	8, 255, 0
RGB Percent	3%, 100%, 0%
CMY	0.9686, 0.0000, 0.9998
CMYK	0.97, 0.00, 1.00, 0.00
HSL	118°, 100%, 50%
HSV	118°, 100%, 100%
XYZ	35.8601, 71.5716, 11.9247
YIQ	152.0770, -65.3570, -131.6690

Conversions

Conversions Part 2

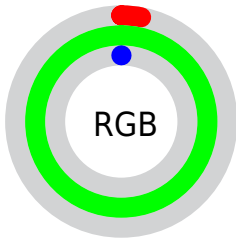
Format	Color
RYB	0, 255, 247
Decimal	589568
CIELab	87.76, -85.96, 83.21
CIELCh	88, 119.635, 135.929
Yxy	71.5716, 0.3004, 0.5996
Android (android.graphics.Color)	4278779648 (0xFF08FF00)
YUV	152.0770, -74.9740, -126.3555
Hunter-Lab	84.6000, -72.3877, 50.8628

Details

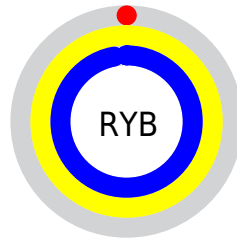
The XYZ color **35.8601, 71.5716, 11.9247** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **56.4234, 27.0029, 96.8460**, and the grayscale version is **30.2141, 31.7876, 34.6167**.

A 20% lighter version of the original color is **45.5769, 76.3577, 22.4616**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.8596, 71.5714, 11.9247**, and if you desaturate by 10%, it is **36.5590, 71.9110, 12.9039**.

Distribution



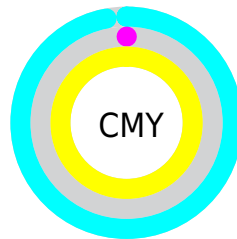
- Red (3%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (97%)



- Cyan (97%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (97%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8601, 71.5716, 11.9247 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 35.8601, 71.5716, 11.9247 by changing the saturation by 10% instead.


 35.8601, 71.5716,
11.9247


 35.8601, 71.5716,
11.9247


319.7906,
466.0491, 214.8663


 24.4958, 52.8088,
6.5705


 68.1414, 121.4473,
30.0202


 15.8285, 37.6502,
3.1206


 89.7890, 153.3289,
43.5986


 9.4930, 25.7113,
1.1566


 115.5951,
190.3523, 60.7556

 5.1238, 16.6078,
0.0000

 145.9251,
232.9018, 81.9095

 2.3556, 9.9552,
0.0000

 181.1443,
281.3619, 107.4790

 0.8229, 5.3693,
0.0000

 221.6180,

 0.0000, 2.4655,

336.1168, 137.8826

0.0000

267.7117,
397.5511, 173.5389

■ 0.0000, 0.8593,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.8601, 71.5716,
11.9247

■ 35.8601, 71.5716,
11.9247


■ 35.8596, 71.5714,
11.9247


■ 36.5590, 71.9110,
12.9039


■ 38.0690, 72.6412,
15.1513


■ 40.5725, 73.8481,
19.0520


■ 44.2012, 75.5943,
24.8423

 49.0665, 77.9332,
32.7202

 55.2663, 80.9113,
42.8588

 62.8889, 84.5709,
55.4134

 72.0149, 88.9505,
70.5254

 82.7189, 94.0857,
88.3252

Harmonies

Analogous

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



54.1175, 71.5716, 3.5443



35.8601, 71.5716, 11.9247



27.6259, 71.5716, 45.7647

Triad

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



35.8601, 71.5716, 11.9247



55.5993, 71.5716, 349.2172



135.1799, 71.5716, 42.4148

Complementary

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



35.8601, 71.5716, 11.9247



56.4234, 27.0029, 96.8460

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.



135.9055, 71.5716, 122.4529



35.8601, 71.5716, 11.9247



84.1356, 71.5716, 345.6617

Square

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



35.8601, 71.5716, 11.9247



36.6834, 71.5716, 252.8702



115.2690, 71.5716, 245.0917



113.4985, 71.5716, 10.9279

Rectangle

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



35.8601, 71.5716, 11.9247



26.8944, 71.5716, 95.2208



115.2690, 71.5716, 245.0917



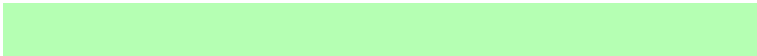
138.0516, 71.5716, 62.8691

Sweetspot

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



35.8603, 71.5717, 11.9258



62.8759, 84.5646, 55.3919



74.3487, 87.4770, 12.9673



12.7321, 17.7518, 10.6585



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.



35.8603, 71.5717, 11.9258



35.8596, 71.5714, 11.9247



39.0915, 72.8527, 29.4611



17.8240, 20.1952, 19.1030



18.7601, 37.4093, 6.2320



1.8442, 3.6515, 0.6076

Inverse Universe

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



56.4234, 27.0029, 96.8460



56.4226, 27.0018, 96.8458



45.6857, 23.0390, 25.3385



18.7333, 18.2698, 22.7890



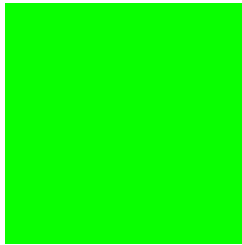
29.5071, 14.1219, 50.6052



2.8899, 1.3837, 4.9280

Previews

White Background



This preview shows how the XYZ color 35.8601, 71.5716, 11.9247 looks on a white background.

Color Contrast Check

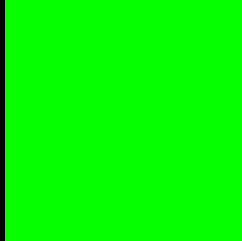
Large Text (above 18pt) WCAG AA × Fail

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 35.8601, 71.5716, 11.9247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

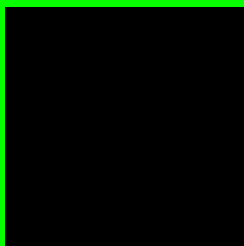
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8601, 71.5716, 11.9247

Background



This preview shows how black text looks on a background with the XYZ color 35.8601, 71.5716, 11.9247.



This preview shows how white text looks on a background with the XYZ color 35.8601, 71.5716,

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

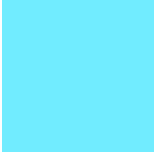
35.8601, 71.5716, 11.9247

Protanopia

63.0774, 69.7356, 10.1358

Deuteranopia

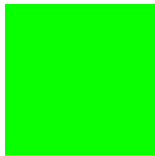
69.4922, 69.8317, 35.8028



Tritanopia

54.8555, 70.7216, 105.3672

Trichromacy



Original Color

35.8601, 71.5716, 11.9247



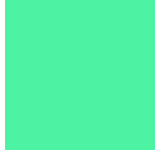
Protanomaly

42.8740, 64.5228, 10.1944



Deuteranomaly

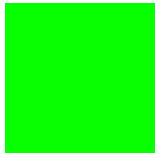
44.8745, 63.6928, 19.8263



Tritanomaly

41.4738, 68.2057, 45.1615

Monochromacy



Original Color

35.8601, 71.5716, 11.9247



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

25.6108, 39.9676, 17.6739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8601, 71.5716, 11.9247 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(8, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(8, 255, 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(8, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.8601, 71.5716, 11.9247 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(8, 255, 0) }
```


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

```
.border{ border-color:rgb(8, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 255, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(8, 255, 0); box-shadow:4px  
4px 4px 4px rgb(8, 255, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8601, 71.5716, 11.9247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 255, 0) }
```

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

```
.background{ background-color: rgb(8, 255,  
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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