

Converting Colors

XYZ(35.8526, 71.5661, 11.9970)

Have a look what the booklet for
XYZ(35.8526, 71.5661, 11.9970)
contains.

XYZ(35.8515, 71.5653, 12.0101)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.8515, 71.5653,
12.0101)**

Conversions

Conversions Part 1

Format	Color
Hex	06FF03
RGB	6, 255, 3
RGB Percent	2%, 100%, 1%
CMY	0.9765, 0.0000, 0.9881
CMYK	0.98, 0.00, 0.99, 0.00
HSL	119°, 100%, 51%
HSV	119°, 99%, 100%
XYZ	35.8515, 71.5653, 12.0101
YIQ	151.8210, -67.5120, -131.1600

Conversions

Conversions Part 2

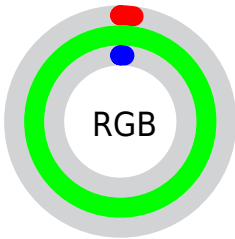
Format	Color
R_{YB}	3, 255, 252
Decimal	458499
CIE _{Lab}	87.76, -85.97, 82.98
CIE _{LCh}	88, 119.484, 136.015
Yxy	71.5653, 0.3002, 0.5992
Android (android.graphics.Color)	4278648579 (0xFF06FF03)
YUV	151.8210, -73.3688, -127.8850
Hunter-Lab	84.5963, -72.3960, 50.8000

Details

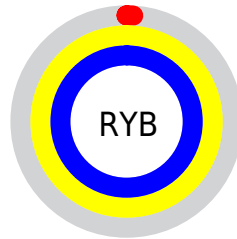
The XYZ color **35.8515, 71.5653, 12.0101** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **58.2444, 27.9900, 96.9405**, and the grayscale version is **30.0967, 31.6641, 34.4822**.

A 20% lighter version of the original color is **45.6209, 76.3753, 22.6934**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.7974, 71.5393, 11.9218**, and if you desaturate by 10%, it is **36.5471, 71.9008, 13.0848**.

Distribution



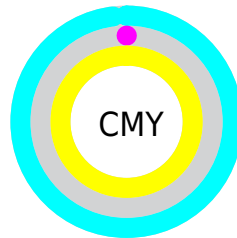
- Red (2%)
- Green (100%)
- Blue (1%)



- Red (1%)
- Yellow (100%)
- Blue (99%)



- Cyan (98%)
- Magenta (0%)
- Yellow (99%)
- Black (0%)





- Cyan (98%)
- Magenta (0%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8515, 71.5653, 12.0101 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 35.8515, 71.5653, 12.0101 by changing the saturation by 10% instead.


 35.8515, 71.5653,
12.0101


 35.8515, 71.5653,
12.0101


319.7536,
466.0272, 215.4524


 24.4891, 52.8037,
6.6279


 68.1282, 121.4383,
30.1782

 15.8235, 37.6460,
3.1556


 89.7732, 153.3184,
43.8012


 9.4894, 25.7081,
1.1746


 115.5764,
190.3402, 61.0082

 5.1214, 16.6054,
0.0000

 145.9032,
232.8880, 82.2177

 2.3542, 9.9535,
0.0000

 181.1190,
281.3462, 107.8484

 0.8222, 5.3682,
0.0000

 221.5891,

 0.0000, 2.4649,

336.0992, 138.3187

0.0000

267.6788,
397.5314, 174.0472

■ 0.0000, 0.8590,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.8515, 71.5653,
12.0101

■ 35.8515, 71.5653,
12.0101

■ 35.7974, 71.5393,
11.9218

■ 36.5471, 71.9008,
13.0848

■ 38.0800, 72.6390,
15.5087

■ 40.6358, 73.8683,
19.6170

■ 44.3511, 75.6541,
25.6406

■ 49.3413, 78.0518,
33.7747

■ 55.7080, 81.1100,
44.1901

■ 63.5425, 84.8725,
57.0403

■ 72.9283, 89.3793,
72.4656

■ 83.9426, 94.6676,
90.5954

Harmonies

Analogous

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



54.0614, 71.5653, 3.5758



35.8515, 71.5653, 12.0101



27.6484, 71.5653, 45.9524

Triad

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



35.8515, 71.5653, 12.0101



55.6778, 71.5653, 348.8331



135.0305, 71.5653, 42.2969

Complementary

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



35.8515, 71.5653, 12.0101



58.2444, 27.9900, 96.9405

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.



135.8216, 71.5653, 122.0735



35.8515, 71.5653, 12.0101



84.1972, 71.5653, 344.9592

Square

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



35.8515, 71.5653, 12.0101



36.7500, 71.5653, 252.9003



115.2707, 71.5653, 244.4236



113.3405, 71.5653, 10.9205

Rectangle

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



35.8515, 71.5653, 12.0101



26.9326, 71.5653, 95.4550



115.2707, 71.5653, 244.4236



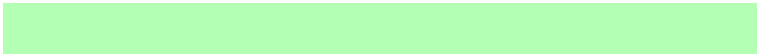
137.9188, 71.5653, 62.6800

Sweetspot

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



35.8517, 71.5653, 12.0112



62.5285, 84.3856, 55.3756



75.6916, 90.1365, 13.4960



12.6536, 17.7114, 10.6548



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.



35.8517, 71.5653, 12.0112



35.7974, 71.5393, 11.9218



39.4883, 73.0157, 31.3543



17.7913, 20.1783, 19.1014



18.7134, 37.3852, 6.2298



1.8287, 3.6435, 0.6069

Inverse Universe

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



58.2444, 27.9900, 96.9405



58.1985, 27.9173, 96.9289



45.5218, 23.0255, 24.3150



18.7704, 18.2889, 22.7908



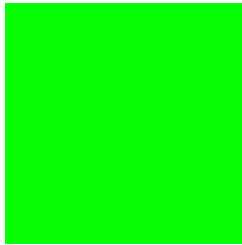
30.4196, 14.5924, 50.6479



2.9684, 1.4242, 4.9317

Previews

White Background



This preview shows how the XYZ color 35.8515, 71.5653, 12.0101 looks on a white background.

Color Contrast Check

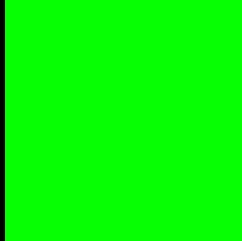
Large Text (above 18pt) WCAG AA × Fail

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 35.8515, 71.5653, 12.0101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

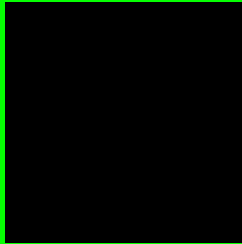
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

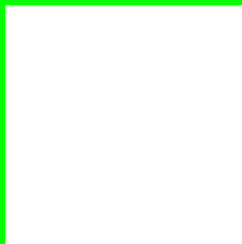
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8515, 71.5653, 12.0101

Background



This preview shows how black text looks on a background with the XYZ color 35.8515, 71.5653, 12.0101.



This preview shows how white text looks on a background with the XYZ color 35.8515, 71.5653,

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

35.8515, 71.5653, 12.0101

Protanopia

63.0774, 69.7356, 10.1358

Deuteranopia

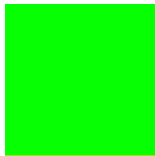
69.4922, 69.8317, 35.8028



Tritanopia

54.8555, 70.7216, 105.3672

Trichromacy



Original Color

35.8515, 71.5653, 12.0101



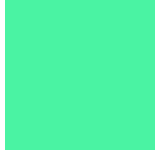
Protanomaly

42.8795, 64.5249, 10.2233



Deuteranomaly

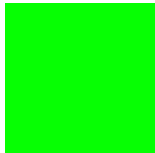
44.7107, 63.6034, 20.0454



Tritanomaly

41.4855, 68.2014, 45.6280

Monochromacy



Original Color

35.8515, 71.5653, 12.0101



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

25.5478, 39.9297, 17.9160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8515, 71.5653, 12.0101 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(6, 255, 3)` looks like.

```
.text, #text, p{  
    color:rgb(6, 255, 3)  
}
```

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(6, 255, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 255, 3) }
```

Border

The CSS property to change the border of an element to XYZ 35.8515, 71.5653, 12.0101 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(6, 255, 3) }
```


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

```
.border{ border-color:rgb(6, 255, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 255, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 255, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(6, 255, 3); box-shadow:4px  
4px 4px 4px rgb(6, 255, 3) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8515, 71.5653, 12.0101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 255, 3) }
```

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

```
.background{ background-color: rgb(6, 255,  
3) }
```

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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