

Converting Colors

XYZ(35.8670, 71.5628, 12.4837)

Have a look what the booklet for
XYZ(35.8670, 71.5628, 12.4837)
contains.

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Color

**XYZ(35.8692, 71.5637,
12.4949)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF12
RGB	0, 255, 18
RGB Percent	0%, 100%, 7%
CMY	1.0000, 0.0000, 0.9293
CMYK	1.00, 0.00, 0.93, 0.00
HSL	124°, 100%, 50%
HSV	124°, 100%, 100%
XYZ	35.8692, 71.5637, 12.4949
YIQ	151.7370, -75.9030, -127.7670

Conversions

Conversions Part 2

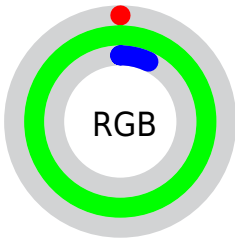
Format	Color
RYB	0, 238, 255
Decimal	65298
CIELab	87.76, -85.91, 81.70
CIELCh	88, 118.557, 136.437
Yxy	71.5637, 0.2991, 0.5967
Android (android.graphics.Color)	4278255378 (0xFF00FF12)
YUV	151.7370, -65.9323, -133.0733
Hunter-Lab	84.5953, -72.3562, 50.4595

Details

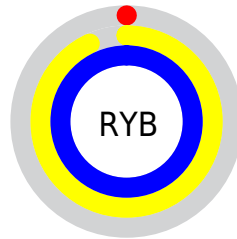
The XYZ color **35.8692, 71.5637, 12.4949** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **56.5226, 27.3731, 82.4072**, and the grayscale version is **30.0319, 31.5959, 34.4079**.

A 20% lighter version of the original color is **45.6634, 76.3761, 23.6446**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.8694, 71.5637, 12.4960**, and if you desaturate by 10%, it is **36.5864, 71.8983, 14.1140**.

Distribution



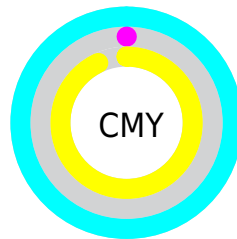
- Red (0%)
- Green (100%)
- Blue (7%)



- Red (0%)
- Yellow (93%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (93%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8692, 71.5637, 12.4949 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 35.8692, 71.5637, 12.4949 by changing the saturation by 10% instead.


 35.8692, 71.5637,
12.4949


 35.8692, 71.5637,
12.4949


319.8297,
466.0216, 218.7476


 24.5028, 52.8023,
6.9551


 68.1553, 121.4360,
31.0711

 15.8338, 37.6450,
3.3560


 89.8058, 153.3158,
44.9445


 9.4967, 25.7073,
1.2792


 115.6150,
190.3371, 62.4329


 5.1263, 16.6048,
0.0446

 145.9483,
232.8845, 83.9547

 2.3570, 9.9531,
0.0000

 181.1711,
281.3422, 109.9285

 0.8236, 5.3679,
0.0000

 221.6487,

 0.0000, 2.4647,

336.0947, 140.7730

0.0000

267.7464,
397.5263, 176.9065

■ 0.0000, 0.8589,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.8692, 71.5637,
12.4949

■ 35.8692, 71.5637,
12.4949

■ 35.8694, 71.5637,
12.4960

■ 36.5864, 71.8983,
14.1140

■ 38.0917, 72.6104,
17.0727

■ 40.5887, 73.8004,
21.5829

■ 44.2100, 75.5330,
27.8177

■ 49.0678, 77.8629,
35.9272

■ 55.2608, 80.8379,
46.0453

■ 62.8776, 84.5013,
58.2936

■ 71.9991, 88.8923,
72.7841

■ 82.7002, 94.0474,
89.6208

Harmonies

Analogous

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



53.8321, 71.5637, 3.7692



35.8692, 71.5637, 12.4949



27.8211, 71.5637, 46.9440

Triad

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



35.8692, 71.5637, 12.4949



56.1059, 71.5637, 346.3786



134.2114, 71.5637, 41.7907

Complementary

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



35.8692, 71.5637, 12.4949



56.5226, 27.3731, 82.4072

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.



135.3192, 71.5637, 120.1901



35.8692, 71.5637, 12.4949



84.5025, 71.5637, 340.9694

Square

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



35.8692, 71.5637, 12.4949



37.1362, 71.5637, 252.7167



115.2278, 71.5637, 240.8673



112.5227, 71.5637, 10.9422

Rectangle

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



35.8692, 71.5637, 12.4949



27.1828, 71.5637, 96.6117



115.2278, 71.5637, 240.8673



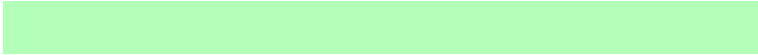
137.1743, 71.5637, 61.8106

Sweetspot

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



35.8694, 71.5638, 12.4960



62.8770, 84.5010, 58.2927



71.0199, 89.6972, 13.5702



12.7326, 17.7376, 11.3145



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.



35.8694, 71.5638, 12.4960



35.8694, 71.5637, 12.4960



40.8324, 73.5490, 38.6310



17.8236, 20.1890, 19.3743



18.7614, 37.4012, 6.6288



1.8440, 3.6485, 0.7364

Inverse Universe

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



56.5226, 27.3731, 82.4072



56.5226, 27.3730, 82.4071



44.0819, 22.3968, 16.8949



18.7340, 18.2769, 22.4823



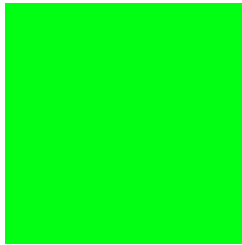
29.5578, 14.3124, 43.1834



2.8939, 1.3999, 4.2886

Previews

White Background



This preview shows how the XYZ color 35.8692, 71.5637, 12.4949 looks on a white background.

Color Contrast Check

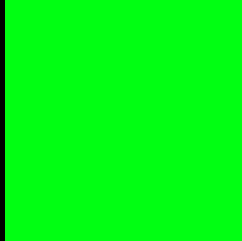
Large Text (above 18pt) WCAG AA × Fail

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 35.8692, 71.5637, 12.4949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

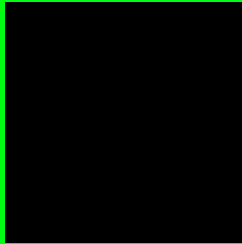
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

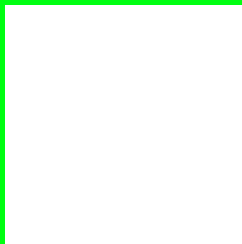
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8692, 71.5637, 12.4949

Background



This preview shows how black text looks on a background with the XYZ color 35.8692, 71.5637, 12.4949.



This preview shows how white text looks on a background with the XYZ color 35.8692, 71.5637,

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

35.8692, 71.5637, 12.4949

Protanopia

63.0774, 69.7356, 10.1358

Deuteranopia

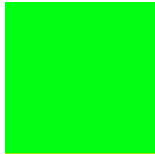
69.4922, 69.8317, 35.8028



Tritanopia

54.8555, 70.7216, 105.3672

Trichromacy



Original Color

35.8692, 71.5637, 12.4949



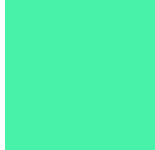
Protanomaly

42.5189, 64.3353, 10.3780



Deuteranomaly

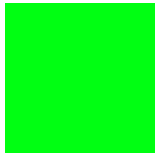
44.5740, 63.5014, 21.4630



Tritanomaly

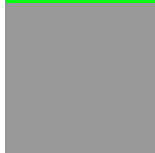
41.8845, 68.3435, 48.5202

Monochromacy



Original Color

35.8692, 71.5637, 12.4949



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

25.5755, 39.9159, 19.1885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8692, 71.5637, 12.4949 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, 255, 18)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 18)  
}
```

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, 255, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 18) }
```

Border

The CSS property to change the border of an element to XYZ 35.8692, 71.5637, 12.4949 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, 255, 18) }
```


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

```
.border{ border-color:rgb(0, 255, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 18);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 18)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.8692, 71.5637, 12.4949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 18) }
```

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

```
.background{ background-color: rgb(0, 255,  
18) }
```

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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