

Converting Colors

XYZ(35.8172, 71.5429, 12.2212)

Have a look what the booklet for
XYZ(35.8172, 71.5429, 12.2212)
contains.

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Color

**XYZ(35.8148, 71.5419,
12.2085)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF0A
RGB	0, 255, 10
RGB Percent	0%, 100%, 4%
CMY	1.0000, 0.0000, 0.9606
CMYK	1.00, 0.00, 0.96, 0.00
HSL	122°, 100%, 50%
HSV	122°, 100%, 100%
XYZ	35.8148, 71.5419, 12.2085
YIQ	150.8250, -73.3350, -130.2550

Conversions

Conversions Part 2

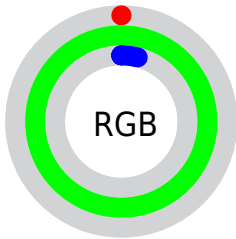
Format	Color
RYB	0, 245, 255
Decimal	65290
CIELab	87.75, -86.05, 82.43
CIELCh	88, 119.160, 136.228
Yxy	71.5419, 0.2995, 0.5984
Android (android.graphics.Color)	4278255370 (0xFF00FF0A)
YUV	150.8250, -69.4267, -132.2735
Hunter-Lab	84.5824, -72.4369, 50.6499

Details

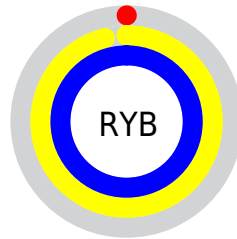
The XYZ color **35.8148, 71.5419, 12.2085** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **57.7158, 27.8504, 88.6904**, and the grayscale version is **29.6530, 31.1973, 33.9739**.

A 20% lighter version of the original color is **45.5261, 76.3212, 22.9217**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.8150, 71.5420, 12.2096**, and if you desaturate by 10%, it is **36.4699, 71.8517, 13.5008**.

Distribution



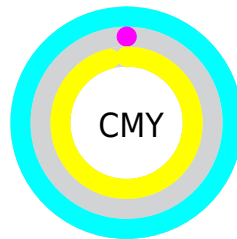
- Red (0%)
- Green (100%)
- Blue (4%)



- Red (0%)
- Yellow (96%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (96%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8148, 71.5419, 12.2085 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 35.8148, 71.5419, 12.2085 by changing the saturation by 10% instead.


 35.8148, 71.5419,
12.2085


 35.8148, 71.5419,
12.2085


319.5957,
465.9455, 216.8074

 24.4606, 52.7845,
6.7616


 68.0719, 121.4050,
30.5443

 15.8023, 37.6308,
3.2373


 89.7055, 153.2796,
44.2703


 9.4743, 25.6963,
1.2170


 115.4963,
190.2953, 61.5931

 5.1114, 16.5966,
0.0000

 145.8096,
232.8366, 82.9312

 2.3482, 9.9473,
0.0000

 181.0109,
281.2879, 108.7031

 0.8192, 5.3640,
0.0000

 221.4654,

 0.0000, 2.4624,

336.0335, 139.3274

0.0000

267.5386,
397.4580, 175.2227

■ 0.0000, 0.8577,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.8148, 71.5419,
12.2085

■ 35.8148, 71.5419,
12.2085


■ 35.8150, 71.5420,
12.2096


■ 36.4699, 71.8517,
13.5008


■ 37.9156, 72.5400,
16.1453


■ 40.3624, 73.7099,
20.3911


■ 43.9478, 75.4282,
26.4370

 48.7880, 77.7509,
34.4532

 54.9846, 80.7274,
44.5899

 62.6289, 84.4018,
56.9831

 71.8043, 88.8144,
71.7571

 82.5878, 94.0024,
89.0275

Harmonies

Analogous

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



53.9105, 71.5419, 3.6458



35.8148, 71.5419, 12.2085



27.6882, 71.5419, 46.4038

Triad

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



35.8148, 71.5419, 12.2085



55.8618, 71.5419, 348.0269



134.6825, 71.5419, 41.9877

Complementary

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



35.8148, 71.5419, 12.2085



57.7158, 27.8504, 88.6904

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.



135.6360, 71.5419, 121.1442



35.8148, 71.5419, 12.2085



84.3489, 71.5419, 343.3621

Square

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



35.8148, 71.5419, 12.2085



36.9003, 71.5419, 253.0581



115.2874, 71.5419, 242.8469



112.9603, 71.5419, 10.8874

Rectangle

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



35.8148, 71.5419, 12.2085



27.0116, 71.5419, 96.0363



115.2874, 71.5419, 242.8469



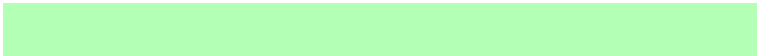
137.6134, 71.5419, 62.1988

Sweetspot

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



35.8150, 71.5420, 12.2096



62.6281, 84.4015, 56.9818



73.9417, 91.2034, 13.7069



12.6762, 17.7150, 11.0174



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.



35.8150, 71.5420, 12.2096



35.8150, 71.5420, 12.2096



40.2040, 73.2976, 35.3219



17.8005, 20.1797, 19.2526



18.7266, 37.3872, 6.4456



1.8331, 3.6442, 0.6788

Inverse Universe

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



57.7158, 27.8504, 88.6904



57.7158, 27.8503, 88.6903



44.5699, 22.5920, 19.4648



18.7600, 18.2873, 22.6191



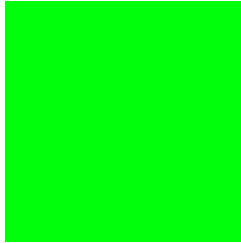
30.1714, 14.5579, 46.4146



2.9469, 1.4211, 4.5679

Previews

White Background



This preview shows how the XYZ color 35.8148, 71.5419, 12.2085 looks on a white background.

Color Contrast Check

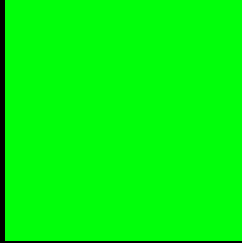
Large Text (above 18pt) WCAG AA × Fail

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 35.8148, 71.5419, 12.2085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

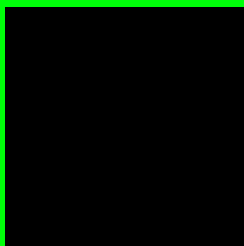
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

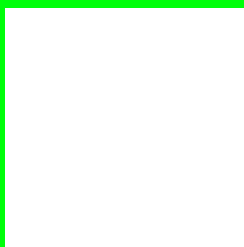
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8148, 71.5419, 12.2085

Background



This preview shows how black text looks on a background with the XYZ color 35.8148, 71.5419, 12.2085.



This preview shows how white text looks on a background with the XYZ color 35.8148, 71.5419,

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

35.8148, 71.5419, 12.2085

Protanopia

63.0774, 69.7356, 10.1358

Deuteranopia

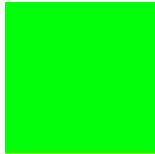
69.4922, 69.8317, 35.8028



Tritanopia

54.8555, 70.7216, 105.3672

Trichromacy



Original Color

35.8148, 71.5419, 12.2085



Protanomaly

42.5025, 64.3287, 10.2914



Deuteranomaly

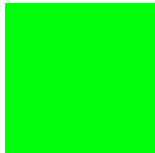
44.4349, 63.4458, 20.7308



Tritanomaly

41.6060, 68.2321, 47.0536

Monochromacy



Original Color

35.8148, 71.5419, 12.2085



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

25.3217, 39.8021, 18.4046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8148, 71.5419, 12.2085 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, 10)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 10)  
}
```

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, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 10) }
```

Border

The CSS property to change the border of an element to XYZ 35.8148, 71.5419, 12.2085 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, 10) }
```


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

```
.border{ border-color:rgb(0, 255, 10) }
```

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, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 10);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 10)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.8148, 71.5419, 12.2085 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, 10) }
```

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

```
.background{ background-color: rgb(0, 255,  
10) }
```

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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