

Converting Colors

XYZ(35.8222, 71.5449, 12.2474)

Have a look what the booklet for
XYZ(35.8222, 71.5449, 12.2474)
contains.

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Color

**XYZ(35.8204, 71.5442,
12.2381)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF0B
RGB	0, 255, 11
RGB Percent	0%, 100%, 4%
CMY	1.0000, 0.0000, 0.9567
CMYK	1.00, 0.00, 0.96, 0.00
HSL	123°, 100%, 50%
HSV	123°, 100%, 100%
XYZ	35.8204, 71.5442, 12.2381
YIQ	150.9390, -73.6560, -129.9440

Conversions

Conversions Part 2

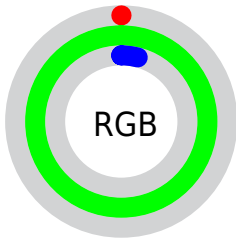
Format	Color
RYB	0, 244, 255
Decimal	65291
CIELab	87.75, -86.03, 82.36
CIELCh	88, 119.098, 136.250
Yxy	71.5442, 0.2995, 0.5982
Android (android.graphics.Color)	4278255371 (0xFF00FF0B)
YUV	150.9390, -68.9899, -132.3735
Hunter-Lab	84.5838, -72.4287, 50.6302

Details

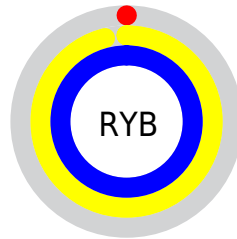
The XYZ color **35.8204, 71.5442, 12.2381** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **57.5635, 27.7894, 87.8882**, and the grayscale version is **29.6999, 31.2466, 34.0276**.

A 20% lighter version of the original color is **45.5713, 76.3393, 23.1596**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.8206, 71.5442, 12.2392**, and if you desaturate by 10%, it is **36.4832, 71.8570, 13.5710**.

Distribution



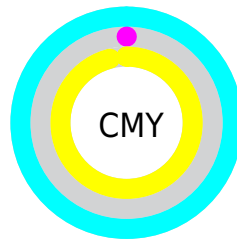
- Red (0%)
- Green (100%)
- Blue (4%)



- 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 35.8204, 71.5442, 12.2381 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 35.8204, 71.5442, 12.2381 by changing the saturation by 10% instead.


 35.8204, 71.5442,
12.2381


 35.8204, 71.5442,
12.2381


319.6198,
465.9536, 217.0088

 24.4650, 52.7864,
6.7815


 68.0805, 121.4083,
30.5989

 15.8055, 37.6323,
3.2495


 89.7158, 153.2834,
44.3402


 9.4766, 25.6974,
1.2234


 115.5085,
190.2997, 61.6801

 5.1129, 16.5974,
0.0000

 145.8239,
232.8416, 83.0373

 2.3491, 9.9479,
0.0000

 181.0274,
281.2936, 108.8302

 0.8196, 5.3644,
0.0000

 221.4843,

 0.0000, 2.4626,

336.0400, 139.4774

0.0000

267.5600,
397.4652, 175.3974

■ 0.0000, 0.8578,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.8204, 71.5442,
12.2381

■ 35.8204, 71.5442,
12.2381

■ 35.8206, 71.5442,
12.2392

■ 36.4832, 71.8570,
13.5710

■ 37.9364, 72.5483,
16.2552

■ 40.3895, 73.7207,
20.5348

■ 43.9795, 75.4408,
26.6052

■ 48.8220, 77.7645,
34.6339

■ 55.0182, 80.7408,
44.7691

■ 62.6590, 84.4138,
57.1447

■ 71.8276, 88.8237,
71.8837

■ 82.6008, 94.0075,
89.0999

Harmonies

Analogous

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



53.9023, 71.5442, 3.6585



35.8204, 71.5442, 12.2381



27.7020, 71.5442, 46.4599

Triad

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



35.8204, 71.5442, 12.2381



55.8872, 71.5442, 347.8560



134.6336, 71.5442, 41.9670

Complementary

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



35.8204, 71.5442, 12.2381



57.5635, 27.7894, 87.8882

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.



135.6033, 71.5442, 121.0445



35.8204, 71.5442, 12.2381



84.3650, 71.5442, 343.1132

Square

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



35.8204, 71.5442, 12.2381



36.9248, 71.5442, 253.0234



115.2814, 71.5442, 242.6406



112.9147, 71.5442, 10.8930

Rectangle

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



35.8204, 71.5442, 12.2381



27.0293, 71.5442, 96.0964



115.2814, 71.5442, 242.6406



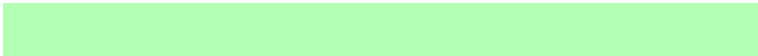
137.5678, 71.5442, 62.1582

Sweetspot

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



35.8206, 71.5442, 12.2392



62.6590, 84.4138, 57.1447



73.9417, 91.2034, 13.7069



12.6832, 17.7178, 11.0543



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.



35.8206, 71.5442, 12.2392



40.2039, 73.2976, 35.3214



17.8034, 20.1809, 19.2678



18.7307, 37.3889, 6.4673



1.8344, 3.6447, 0.6860

Inverse Universe

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



57.5635, 27.7894, 87.8882



44.5698, 22.5919, 19.4643



18.7567, 18.2860, 22.6019



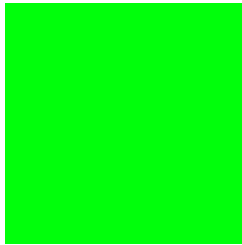
30.0931, 14.5265, 46.0023



2.9402, 1.4184, 4.5324

Previews

White Background



This preview shows how the XYZ color 35.8204, 71.5442, 12.2381 looks on a white background.

Color Contrast Check

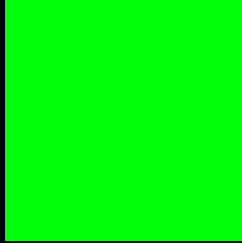
Large Text (above 18pt) WCAG AA × Fail

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 35.8204, 71.5442, 12.2381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

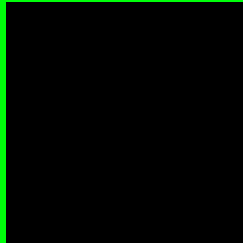
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8204, 71.5442, 12.2381

Background



This preview shows how black text looks on a background with the XYZ color 35.8204, 71.5442, 12.2381.



This preview shows how white text looks on a background with the XYZ color 35.8204, 71.5442,

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

35.8204, 71.5442, 12.2381

Protanopia

63.0774, 69.7356, 10.1358

Deuteranopia

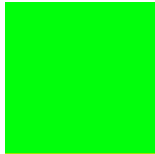
69.4922, 69.8317, 35.8028



Tritanopia

54.8555, 70.7216, 105.3672

Trichromacy



Original Color

35.8204, 71.5442, 12.2381



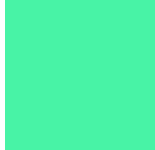
Protanomaly

42.5025, 64.3287, 10.2914



Deuteranomaly

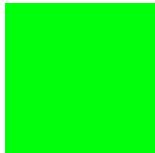
44.4349, 63.4458, 20.7308



Tritanomaly

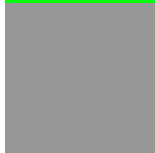
41.6060, 68.2321, 47.0536

Monochromacy



Original Color

35.8204, 71.5442, 12.2381



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 35.8204, 71.5442, 12.2381 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, 11)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 11)  
}
```

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, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 11) }
```

Border

The CSS property to change the border of an element to XYZ 35.8204, 71.5442, 12.2381 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, 11) }
```

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

```
.border{ border-color:rgb(0, 255, 11) }
```

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, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 11);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 11)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.8204, 71.5442, 12.2381 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, 11) }
```

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

```
.background{ background-color: rgb(0, 255,  
11) }
```

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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