

Converting Colors

XYZ(36.5129, 71.8872, 12.9017)

Have a look what the booklet for
XYZ(36.5129, 71.8872, 12.9017)
contains.

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Color

**XYZ(36.5115, 71.8859,
12.9283)**

Conversions

Conversions Part 1

Format	Color
Hex	1FFF1A
RGB	31, 255, 26
RGB Percent	12%, 100%, 10%
CMY	0.8784, 0.0000, 0.8980
CMYK	0.88, 0.00, 0.90, 0.00
HSL	119°, 100%, 55%
HSV	119°, 90%, 100%
XYZ	36.5115, 71.8859, 12.9283
YIQ	161.9180, -59.9950, -118.7070

Conversions

Conversions Part 2

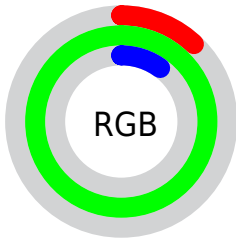
Format	Color
R_{YB}	26, 255, 250
Decimal	2096922
CIE _{Lab}	87.91, -84.43, 80.86
CIE _{LCh}	88, 116.909, 136.239
Yxy	71.8859, 0.3009, 0.5925
Android (android.graphics.Color)	4280287002 (0xFF1FFF1A)
YUV	161.9180, -67.0076, -114.8151
Hunter-Lab	84.7856, -71.5066, 50.3092

Details

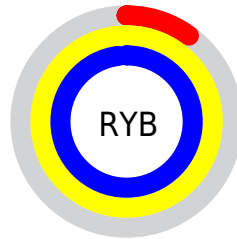
The XYZ color **36.5115, 71.8859, 12.9283** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark washed green. A complement of this color would be **57.8516, 28.2875, 97.0186**, and the grayscale version is **34.6293, 36.4328, 39.6753**.

A 20% lighter version of the original color is **46.6644, 76.8757, 24.4356**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.8386, 71.5602, 11.9385**, and if you desaturate by 10%, it is **37.9968, 72.6028, 15.2034**.

Distribution



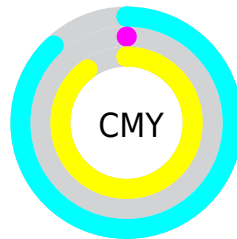
- Red (12%)
- Green (100%)
- Blue (10%)



- Red (10%)
- Yellow (100%)
- Blue (98%)



- Cyan (88%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)





- Cyan (88%)
- Magenta (0%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5115, 71.8859, 12.9283 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 36.5115, 71.8859, 12.9283 by changing the saturation by 10% instead.


 36.5115, 71.8859,
12.9283


 36.5115, 71.8859,
12.9283


322.5831,
467.1444, 221.6493


 25.0014, 53.0655,
7.2490


 69.1395, 121.8943,
31.8642


 16.2069, 37.8550,
3.5375


 90.9882, 153.8511,
45.9579


 9.7624, 25.8702,
1.3752


 117.0138,
190.9554, 63.6936

 5.3028, 16.7266,
0.1223

 147.5817,
233.5917, 85.4897

 2.4626, 10.0397,
0.0000

 183.0572,
282.1443, 111.7647

 0.8764, 5.4253,
0.0000

 223.8057,

 0.0000, 2.4989,

336.9977, 142.9374

0.0000

270.1926,
398.5363, 179.4260

■ 0.0000, 0.8761,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.5115, 71.8859,
12.9283

■ 36.5115, 71.8859,
12.9283

■ 35.8386, 71.5602,
11.9385

■ 37.9968, 72.6028,
15.2034

■ 35.8294, 71.5558,
11.9232

■ 40.4841, 73.8006,
19.1360

■ 44.1084, 75.5437,
24.9625

■ 48.9837, 77.8868,
32.8807

■ 55.2101, 80.8777,
43.0635

■ 62.8778, 84.5596,
55.6657

■ 72.0689, 88.9717,
70.8287

■ 82.8596, 94.1505,
88.6828

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



54.4297, 71.8859, 4.0782



36.5115, 71.8859, 12.9283



28.4207, 71.8859, 47.1879

Triad

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



36.5115, 71.8859, 12.9283



56.3724, 71.8859, 341.3523



133.6404, 71.8859, 42.7669

Complementary

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



36.5115, 71.8859, 12.9283



57.8516, 28.2875, 97.0186

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.



134.5790, 71.8859, 120.6705



36.5115, 71.8859, 12.9283



84.4052, 71.8859, 336.7958

Square

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



36.5115, 71.8859, 12.9283



37.5993, 71.8859, 249.2804



114.7075, 71.8859, 239.2769



112.4125, 71.8859, 11.5687

Rectangle

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



36.5115, 71.8859, 12.9283



27.7469, 71.8859, 96.1313



114.7075, 71.8859, 239.2769



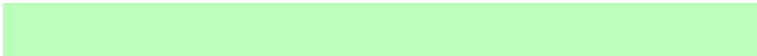
136.5033, 71.8859, 62.7733

Sweetspot

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



36.5117, 71.8860, 12.9294



65.2911, 85.7182, 59.6421



74.7999, 88.0811, 14.0374



13.3477, 18.0461, 11.7324



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.



36.5117, 71.8860, 12.9294



35.8294, 71.5558, 11.9232



40.4116, 73.4299, 34.1892



17.8081, 20.1870, 19.1022



18.7374, 37.3976, 6.2309



1.8367, 3.6476, 0.6073

Inverse Universe

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



57.8516, 28.2875, 97.0186



57.2793, 27.4434, 96.8859



46.9664, 24.1423, 30.2606



18.7513, 18.2791, 22.7899



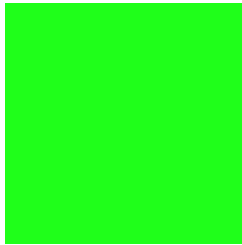
29.9473, 14.3489, 50.6258



2.9278, 1.4033, 4.9298

Previews

White Background



This preview shows how the XYZ color 36.5115, 71.8859, 12.9283 looks on a white background.

Color Contrast Check

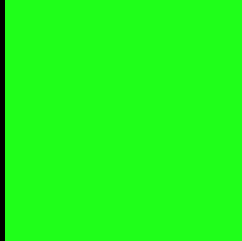
Large Text (above 18pt) WCAG AA × Fail

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 36.5115, 71.8859, 12.9283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

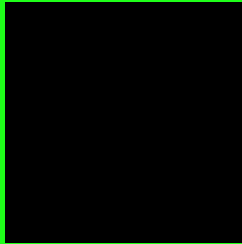
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.5115, 71.8859, 12.9283

Background



This preview shows how black text looks on a background with the XYZ color 36.5115, 71.8859, 12.9283.



This preview shows how white text looks on a background with the XYZ color 36.5115, 71.8859,

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

36.5115, 71.8859, 12.9283

Protanopia

63.3649, 70.2668, 10.3667

Deuteranopia

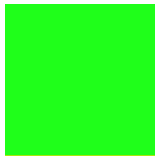
69.6451, 69.8929, 36.6080



Tritanopia

55.2479, 70.9239, 105.3856

Trichromacy



Original Color

36.5115, 71.8859, 12.9283



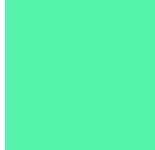
Protanomaly

45.0777, 66.0671, 10.7572



Deuteranomaly

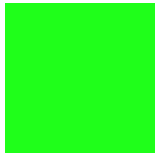
47.3229, 64.8961, 22.6024



Tritanomaly

43.2433, 69.0110, 50.0710

Monochromacy



Original Color

36.5115, 71.8859, 12.9283



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

29.6600, 44.2495, 22.6006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5115, 71.8859, 12.9283 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(31, 255, 26)` looks like.

```
.text, #text, p{  
    color:rgb(31, 255, 26)  
}
```

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(31, 255, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 255, 26) }
```

Border

The CSS property to change the border of an element to XYZ 36.5115, 71.8859, 12.9283 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(31, 255, 26) }
```


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

```
.border{ border-color:rgb(31, 255, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 255, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 255, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 255, 26);  
box-shadow:4px 4px 4px 4px rgb(31, 255,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5115, 71.8859, 12.9283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 255, 26) }
```

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

```
.background{ background-color: rgb(31, 255,  
26) }
```

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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