

Converting Colors

XYZ(36.5138, 71.8821, 13.1532)

Have a look what the booklet for
XYZ(36.5138, 71.8821, 13.1532)
contains.

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Color

**XYZ(36.5298, 71.8898,
13.1791)**

Conversions

Conversions Part 1

Format	Color
Hex	1EFF1E
RGB	30, 255, 30
RGB Percent	12%, 100%, 12%
CMY	0.8823, 0.0000, 0.8823
CMYK	0.88, 0.00, 0.88, 0.00
HSL	120°, 100%, 56%
HSV	120°, 88%, 100%
XYZ	36.5298, 71.8898, 13.1791
YIQ	162.0750, -61.8750, -117.6750

Conversions

Conversions Part 2

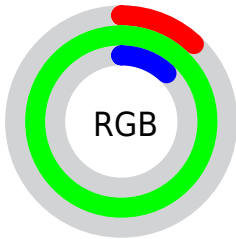
Format	Color
RYB	30, 255, 255
Decimal	2031390
CIELab	87.92, -84.38, 80.23
CIELCh	88, 116.437, 136.444
Yxy	71.8898, 0.3004, 0.5912
Android (android.graphics.Color)	4280221470 (0xFF1EFF1E)
YUV	162.0750, -65.1130, -115.8298
Hunter-Lab	84.7879, -71.4742, 50.1357

Details

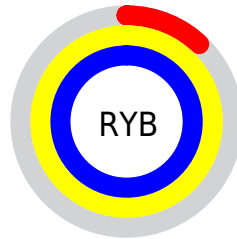
The XYZ color **36.5298, 71.8898, 13.1791** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark washed green. A complement of this color would be **59.7517, 29.4076, 97.1212**, and the grayscale version is **34.6954, 36.5023, 39.7510**.

A 20% lighter version of the original color is **46.5664, 76.8196, 24.6853**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.8411, 71.5589, 12.0530**, and if you desaturate by 10%, it is **38.0651, 72.6272, 15.6917**.

Distribution



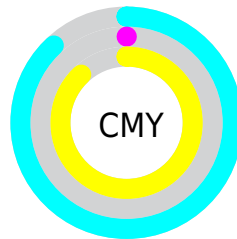
- Red (12%)
- Green (100%)
- Blue (12%)



- Red (12%)
- Yellow (100%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5298, 71.8898, 13.1791 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 36.5298, 71.8898, 13.1791 by changing the saturation by 10% instead.


 36.5298, 71.8898,
13.1791


 36.5298, 71.8898,
13.1791


322.6613,
467.1579, 223.3103

 25.0156, 53.0687,
7.4198


 69.1676, 121.8998,
32.3211

 16.2175, 37.8576,
3.6436


 91.0219, 153.8575,
46.5408


 9.7700, 25.8722,
1.4319


 117.0536,
190.9629, 64.4178

 5.3078, 16.7280,
0.1664

 147.6282,
233.6002, 86.3706

 2.4656, 10.0408,
0.0000

 183.1108,
282.1540, 112.8177

 0.8779, 5.4260,
0.0000

 223.8670,

 0.0000, 2.4993,

337.0087, 144.1777

0.0000

270.2621,
398.5485, 180.8690

■ 0.0000, 0.8763,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.5298, 71.8898,
13.1791

■ 36.5298, 71.8898,
13.1791

■ 35.8411, 71.5589,
12.0530

■ 38.0651, 72.6272,
15.6917

■ 35.7601, 71.5200,
11.9205

■ 40.6391, 73.8637,
19.9024

■ 44.3918, 75.6662,
26.0409

■ 49.4414, 78.0918,
34.3007

■ 55.8918, 81.1903,
44.8516

■ 63.8365, 85.0065,
57.8464

■ 73.3608, 89.5816,
73.4247

■ 84.5436, 94.9532,
91.7156

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.



54.3273, 71.8898, 4.1840



36.5298, 71.8898, 13.1791



28.5146, 71.8898, 47.6770

Triad

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



36.5298, 71.8898, 13.1791



56.5844, 71.8898, 340.1066



133.2383, 71.8898, 42.5348

Complementary

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



36.5298, 71.8898, 13.1791



59.7517, 29.4076, 97.1212

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.



134.3263, 71.8898, 119.7726



36.5298, 71.8898, 13.1791



84.5510, 71.8898, 334.8329

Square

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



36.5298, 71.8898, 13.1791



37.7952, 71.8898, 249.1403



114.6788, 71.8898, 237.5554



112.0174, 71.8898, 11.5892

Rectangle

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



36.5298, 71.8898, 13.1791



27.8784, 71.8898, 96.6837



114.6788, 71.8898, 237.5554



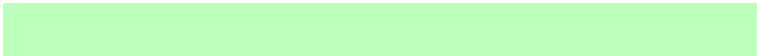
136.1356, 71.8898, 62.3665

Sweetspot

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



36.5300, 71.8899, 13.1802



65.8252, 85.9618, 61.0992



77.2344, 92.8737, 15.0841



13.4368, 18.0859, 12.0104



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.



36.5300, 71.8899, 13.1802



35.7601, 71.5200, 11.9205



41.2156, 73.7641, 37.8542



17.7717, 20.1682, 19.1008



18.6854, 37.3708, 6.2288



1.8194, 3.6387, 0.6066

Inverse Universe

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



59.7517, 29.4076, 97.1212



59.2871, 28.4788, 96.9647



46.6245, 24.1567, 27.9940



18.7927, 18.3004, 22.7915



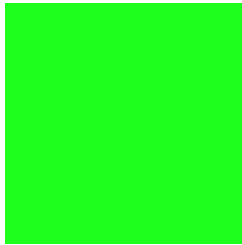
30.9788, 14.8808, 50.6663



3.0163, 1.4489, 4.9333

Previews

White Background



This preview shows how the XYZ color 36.5298, 71.8898, 13.1791 looks on a white background.

Color Contrast Check

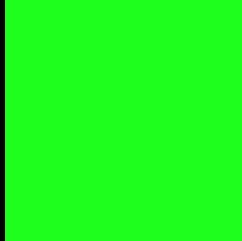
Large Text (above 18pt) WCAG AA × Fail

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 36.5298, 71.8898, 13.1791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

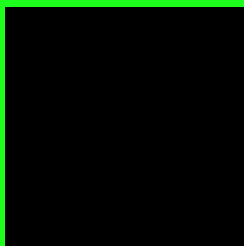
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.5298, 71.8898, 13.1791

Background



This preview shows how black text looks on a background with the XYZ color 36.5298, 71.8898, 13.1791.



This preview shows how white text looks on a background with the XYZ color 36.5298, 71.8898,

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

36.5298, 71.8898, 13.1791

Protanopia

63.4311, 70.2933, 10.7150

Deuteranopia

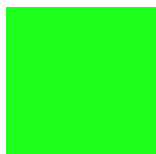
69.6451, 69.8929, 36.6080



Tritanopia

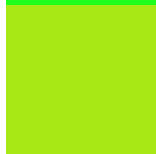
55.2479, 70.9239, 105.3856

Trichromacy



Original Color

36.5298, 71.8898, 13.1791



Protanomaly

44.9283, 65.9829, 11.0775



Deuteranomaly

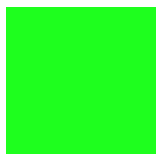
47.1508, 64.8017, 22.8548



Tritanomaly

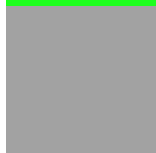
43.3397, 69.0496, 50.5788

Monochromacy



Original Color

36.5298, 71.8898, 13.1791



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

29.7166, 44.2722, 22.8987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5298, 71.8898, 13.1791 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(30, 255, 30)` looks like.

```
.text, #text, p{  
    color:rgb(30, 255, 30)  
}
```

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(30, 255, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 255, 30) }
```

Border

The CSS property to change the border of an element to XYZ 36.5298, 71.8898, 13.1791 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(30, 255, 30) }
```


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

```
.border{ border-color:rgb(30, 255, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 255, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 255, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 255, 30);  
box-shadow:4px 4px 4px 4px rgb(30, 255,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5298, 71.8898, 13.1791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 255, 30) }
```

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

```
.background{ background-color: rgb(30, 255,  
30) }
```

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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