

Converting Colors

XYZ(36.2851, 71.7722, 12.7799)

Have a look what the booklet for
XYZ(36.2851, 71.7722, 12.7799)
contains.

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Color

**XYZ(36.3016, 71.7801,
12.8058)**

Conversions

Conversions Part 1

Format	Color
Hex	18FF18
RGB	24, 255, 24
RGB Percent	9%, 100%, 9%
CMY	0.9059, 0.0000, 0.9058
CMYK	0.91, 0.00, 0.91, 0.00
HSL	120°, 100%, 55%
HSV	120°, 91%, 100%
XYZ	36.3016, 71.7801, 12.8058
YIQ	159.5970, -63.5250, -120.8130

Conversions

Conversions Part 2

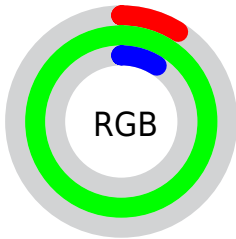
Format	Color
R_{YB}	24, 255, 255
Decimal	1638168
CIE Lab	87.86, -84.91, 81.08
CIE LCh	88, 117.409, 136.321
Yxy	71.7801, 0.3003, 0.5938
Android (android.graphics.Color)	4279828248 (0xFF18FF18)
YUV	159.5970, -66.8493, -118.9186
Hunter-Lab	84.7231, -71.7830, 50.3446

Details

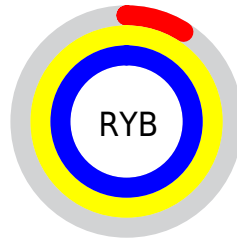
The XYZ color **36.3016, 71.7801, 12.8058** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark washed green. A complement of this color would be **59.6140, 29.1323, 97.0747**, and the grayscale version is **33.5485, 35.2957, 38.4370**.

A 20% lighter version of the original color is **46.3243, 76.7059, 24.1686**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.7601, 71.5200, 11.9205**, and if you desaturate by 10%, it is **37.6164, 72.4117, 14.9577**.

Distribution



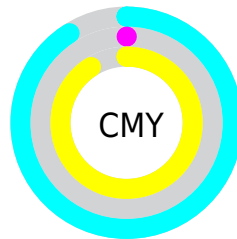
- Red (9%)
- Green (100%)
- Blue (9%)



- Red (9%)
- Yellow (100%)
- Blue (100%)



- Cyan (91%)
- Magenta (0%)
- Yellow (91%)
- Black (0%)





- Cyan (91%)
- Magenta (0%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3016, 71.7801, 12.8058 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 36.3016, 71.7801, 12.8058 by changing the saturation by 10% instead.


 36.3016, 71.7801,
12.8058


 36.3016, 71.7801,
12.8058


321.6852,
466.7758, 220.8332


 24.8384, 52.9791,
7.1658


 68.8182, 121.7438,
31.6405

 16.0848, 37.7861,
3.4860


 90.6022, 153.6753,
45.6723


 9.6754, 25.8167,
1.3478


 116.5573,
190.7524, 63.3384

 5.2449, 16.6866,
0.1005

 147.0487,
233.3595, 85.0575

 2.4279, 10.0113,
0.0000

 182.4419,
281.8810, 111.2479

 0.8590, 5.4064,
0.0000

 223.1021,

 0.0000, 2.4876,

336.7013, 142.3283

0.0000

269.3947,
398.2048, 178.7173

■ 0.0000, 0.8704,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.3016, 71.7801,
12.8058

■ 36.3016, 71.7801,
12.8058

■ 35.7601, 71.5200,
11.9205

■ 37.6164, 72.4117,
14.9577

■ 39.9325, 73.5242,
18.7466

■ 43.3967, 75.1882,
24.4132

■ 48.1315, 77.4626,
32.1581

■ 54.2437, 80.3986,
42.1559

■ 61.8291, 84.0423,
54.5629

■ 70.9746, 88.4353,
69.5217

■ 81.7605, 93.6164,
87.1635

94.2617, 99.6213,
107.6106

Harmonies

Analogous

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



54.2246, 71.7801, 3.9838



36.3016, 71.7801, 12.8058



28.2310, 71.7801, 47.1481

Triad

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



36.3016, 71.7801, 12.8058



56.3023, 71.7801, 342.8862



133.7927, 71.7801, 42.4260

Complementary

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



36.3016, 71.7801, 12.8058



59.6140, 29.1323, 97.0747

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.



134.7990, 71.7801, 120.4374



36.3016, 71.7801, 12.8058



84.4486, 71.7801, 337.9922

Square

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



36.3016, 71.7801, 12.8058



37.4632, 71.7801, 250.3887



114.8745, 71.7801, 239.6514



112.4149, 71.7801, 11.3626

Rectangle

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



36.3016, 71.7801, 12.8058



27.5720, 71.7801, 96.3337



114.8745, 71.7801, 239.6514



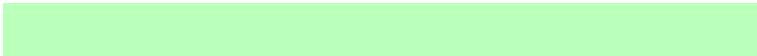
136.6912, 71.7801, 62.4227

Sweetspot

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



36.3019, 71.7803, 12.8070



64.9256, 85.5297, 59.6277



77.1649, 92.8460, 14.7184



13.2648, 18.0033, 11.7292



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.



36.3019, 71.7803, 12.8070



35.7601, 71.5200, 11.9205



40.8337, 73.5930, 36.6715



17.7717, 20.1682, 19.1008



18.6854, 37.3708, 6.2289



1.8194, 3.6387, 0.6066

Inverse Universe

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



59.6140, 29.1323, 97.0747



59.2870, 28.4788, 96.9643



46.2637, 23.7922, 26.7728



18.7927, 18.3004, 22.7915



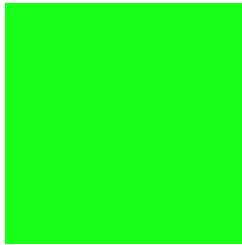
30.9788, 14.8808, 50.6661



3.0163, 1.4489, 4.9333

Previews

White Background



This preview shows how the XYZ color 36.3016, 71.7801, 12.8058 looks on a white background.

Color Contrast Check

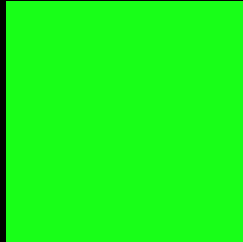
Large Text (above 18pt) WCAG AA × Fail

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 36.3016, 71.7801, 12.8058 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

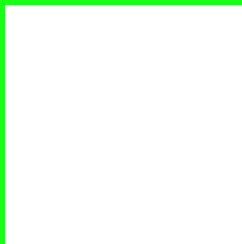
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3016, 71.7801, 12.8058

Background



This preview shows how black text looks on a background with the XYZ color 36.3016, 71.7801, 12.8058.



This preview shows how white text looks on a background with the XYZ color 36.3016, 71.7801,

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

36.3016, 71.7801, 12.8058

Protanopia

63.3376, 70.2559, 10.2225

Deuteranopia

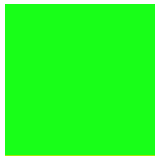
69.5683, 69.8621, 36.2037



Tritanopia

55.1157, 70.8557, 105.3794

Trichromacy



Original Color

36.3016, 71.7801, 12.8058



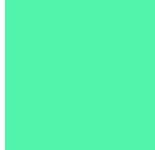
Protanomaly

44.4230, 65.7323, 10.6047



Deuteranomaly

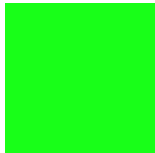
46.5639, 64.5162, 22.0553



Tritanomaly

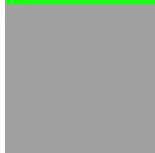
42.8810, 68.8353, 49.5546

Monochromacy



Original Color

36.3016, 71.7801, 12.8058



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

28.9399, 43.5574, 21.9211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3016, 71.7801, 12.8058 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(24, 255, 24)` looks like.

```
.text, #text, p{  
    color:rgb(24, 255, 24)  
}
```

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(24, 255, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 255, 24) }
```

Border

The CSS property to change the border of an element to XYZ 36.3016, 71.7801, 12.8058 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(24, 255, 24) }
```


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

```
.border{ border-color:rgb(24, 255, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 255, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 255, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 255, 24);  
box-shadow:4px 4px 4px 4px rgb(24, 255,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3016, 71.7801, 12.8058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 255, 24) }
```

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

```
.background{ background-color: rgb(24, 255,  
24) }
```

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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