

Converting Colors

XYZ(36.0293, 71.6556, 12.0785)

Have a look what the booklet for
XYZ(36.0293, 71.6556, 12.0785)
contains.

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Color

**XYZ(36.0368, 71.6596,
12.0759)**

Conversions

Conversions Part 1

Format	Color
Hex	12FF05
RGB	18, 255, 5
RGB Percent	7%, 100%, 2%
CMY	0.9294, 0.0000, 0.9802
CMYK	0.93, 0.00, 0.98, 0.00
HSL	117°, 100%, 51%
HSV	117°, 98%, 100%
XYZ	36.0368, 71.6596, 12.0759
YIQ	155.6370, -61.0020, -127.9940

Conversions

Conversions Part 2

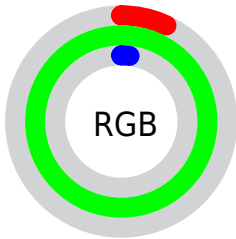
Format	Color
RYB	5, 255, 242
Decimal	1244933
CIELab	87.80, -85.55, 82.88
CIELCh	88, 119.112, 135.906
Yxy	71.6596, 0.3009, 0.5983
Android (android.graphics.Color)	4279435013 (0xFF12FF05)
YUV	155.6370, -74.2640, -120.7076
Hunter-Lab	84.6520, -72.1526, 50.7985

Details

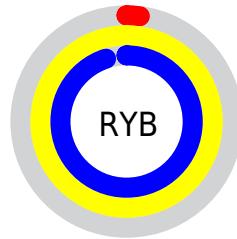
The XYZ color **36.0368, 71.6596, 12.0759** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **54.7373, 26.2142, 96.7826**, and the grayscale version is **31.7795, 33.4345, 36.4102**.

A 20% lighter version of the original color is **45.9042, 76.5213, 22.7066**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.9292, 71.6072, 11.9279**, and if you desaturate by 10%, it is **36.9632, 72.1124, 13.2356**.

Distribution



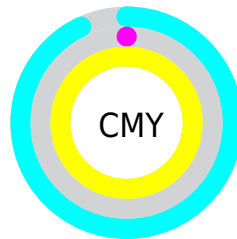
- Red (7%)
- Green (100%)
- Blue (2%)



- Red (2%)
- Yellow (100%)
- Blue (95%)



- Cyan (93%)
- Magenta (0%)
- Yellow (98%)
- Black (0%)





- Cyan (93%)
- Magenta (0%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0368, 71.6596, 12.0759 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 36.0368, 71.6596, 12.0759 by changing the saturation by 10% instead.


 36.0368, 71.6596,
12.0759


 36.0368, 71.6596,
12.0759


320.5498,
466.3559, 215.9028


 24.6329, 52.8807,
6.6722


 68.4124, 121.5724,
30.2997


 15.9310, 37.7075,
3.1826


 90.1147, 153.4751,
43.9570


 9.5659, 25.7558,
1.1886

 115.9805,
190.5212, 61.2025

 5.1721, 16.6410,
0.0000

 146.3752,
233.0950, 82.4548

 2.3844, 9.9789,
0.0000

 181.6642,
281.5810, 108.1324

 0.8373, 5.3850,
0.0000

 222.2127,

 0.0000, 2.4749,

336.3636, 138.6539

0.0000

268.3861,
397.8271, 174.4379

■ 0.0000, 0.8640,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.0368, 71.6596,
12.0759

■ 36.0368, 71.6596,
12.0759


■ 35.9292, 71.6072,
11.9279


■ 36.9632, 72.1124,
13.2356


■ 38.7453, 72.9764,
15.7900


■ 41.5336, 74.3225,
20.0474


■ 45.4477, 76.2074,
26.2346

 50.5902, 78.6799,
34.5437

 57.0523, 81.7832,
45.1437

 64.9162, 85.5567,
58.1866

 74.2580, 90.0364,
73.8112

 85.1477, 95.2557,
92.1462

Harmonies

Analogous

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



54.2637, 71.6596, 3.6389



36.0368, 71.6596, 12.0759



27.8020, 71.6596, 45.9060

Triad

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



36.0368, 71.6596, 12.0759



55.7047, 71.6596, 347.6360



134.9588, 71.6596, 42.6443

Complementary

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



36.0368, 71.6596, 12.0759



54.7373, 26.2142, 96.7826

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.



135.6626, 71.6596, 122.4399



36.0368, 71.6596, 12.0759



84.1322, 71.6596, 344.1940

Square

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



36.0368, 71.6596, 12.0759



36.8386, 71.6596, 251.9092



115.1225, 71.6596, 244.3738



113.4046, 71.6596, 11.0990

Rectangle

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



36.0368, 71.6596, 12.0759



27.0665, 71.6596, 95.1783



115.1225, 71.6596, 244.3738



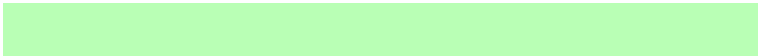
137.8087, 71.6596, 63.0675

Sweetspot

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



36.0370, 71.6596, 12.0770



64.0851, 85.1580, 56.8025



71.9400, 82.6159, 12.2995



12.9740, 17.8709, 10.9240



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.



36.0370, 71.6596, 12.0770



35.9292, 71.6072, 11.9279



38.8237, 72.7528, 27.7242



17.8586, 20.2130, 19.1046



18.8095, 37.4347, 6.2343



1.8607, 3.6600, 0.6084

Inverse Universe

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



54.7373, 26.2142, 96.7826



54.5930, 26.0586, 96.7602



46.5363, 23.4660, 29.5502



18.6942, 18.2496, 22.7872



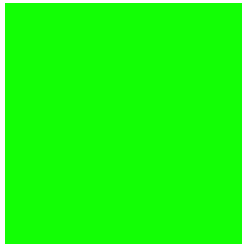
28.5665, 13.6370, 50.5612



2.8088, 1.3419, 4.9242

Previews

White Background



This preview shows how the XYZ color 36.0368, 71.6596, 12.0759 looks on a white background.

Color Contrast Check

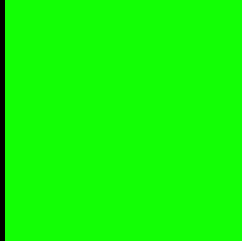
Large Text (above 18pt) WCAG AA × Fail

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 36.0368, 71.6596, 12.0759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

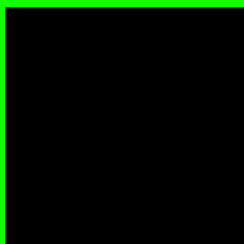
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.0368, 71.6596, 12.0759

Background



This preview shows how black text looks on a background with the XYZ color 36.0368, 71.6596, 12.0759.



This preview shows how white text looks on a background with the XYZ color 36.0368, 71.6596,

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

36.0368, 71.6596, 12.0759

Protanopia

63.0774, 69.7356, 10.1358

Deuteranopia

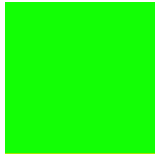
69.4922, 69.8317, 35.8028



Tritanopia

54.9849, 70.7883, 105.3732

Trichromacy



Original Color

36.0368, 71.6596, 12.0759



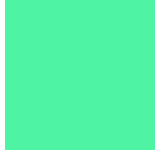
Protanomaly

43.6911, 64.9427, 10.2899



Deuteranomaly

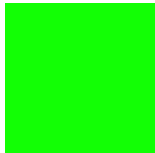
45.8071, 64.1635, 20.3264



Tritanomaly

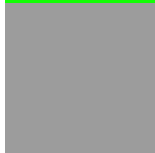
41.9759, 68.4438, 46.1206

Monochromacy



Original Color

36.0368, 71.6596, 12.0759



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

27.1425, 41.7030, 18.9309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0368, 71.6596, 12.0759 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(18, 255, 5)` looks like.

```
.text, #text, p{  
    color:rgb(18, 255, 5)  
}
```

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(18, 255, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 255, 5) }
```

Border

The CSS property to change the border of an element to XYZ 36.0368, 71.6596, 12.0759 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(18, 255, 5) }
```


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

```
.border{ border-color:rgb(18, 255, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 255, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 255, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 255, 5);  
box-shadow:4px 4px 4px 4px rgb(18, 255, 5)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.0368, 71.6596, 12.0759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 255, 5) }
```

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

```
.background{ background-color: rgb(18, 255,  
5) }
```

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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