

Converting Colors

XYZ(36.0231, 71.6464, 12.3503)

Have a look what the booklet for
XYZ(36.0231, 71.6464, 12.3503)
contains.

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Color

**XYZ(36.0204, 71.6451,
12.3459)**

Conversions

Conversions Part 1

Format	Color
Hex	0EFF0E
RGB	14, 255, 14
RGB Percent	5%, 100%, 5%
CMY	0.9451, 0.0000, 0.9450
CMYK	0.95, 0.00, 0.94, 0.00
HSL	120°, 100%, 53%
HSV	120°, 95%, 100%
XYZ	36.0204, 71.6451, 12.3459
YIQ	155.4670, -66.2750, -126.0430

Conversions

Conversions Part 2

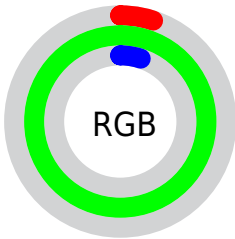
Format	Color
RYB	14, 255, 255
Decimal	982798
CIELab	87.80, -85.57, 82.16
CIELCh	88, 118.628, 136.165
Yxy	71.6451, 0.3001, 0.5970
Android (android.graphics.Color)	4279172878 (0xFF0EFF0E)
YUV	155.4670, -69.7432, -124.0666
Hunter-Lab	84.6434, -72.1645, 50.6025

Details

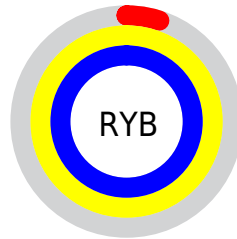
The XYZ color **36.0204, 71.6451, 12.3459** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **59.4421, 28.7921, 97.0063**, and the grayscale version is **31.6861, 33.3362, 36.3032**.

A 20% lighter version of the original color is **45.8516, 76.4838, 23.1727**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.7602, 71.5201, 11.9209**, and if you desaturate by 10%, it is **36.9908, 72.1112, 13.9350**.

Distribution



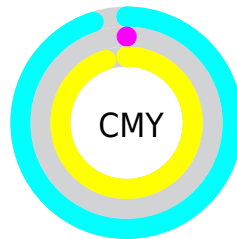
- Red (5%)
- Green (100%)
- Blue (5%)



- Red (5%)
- Yellow (100%)
- Blue (100%)



- Cyan (95%)
- Magenta (0%)
- Yellow (94%)
- Black (0%)





- Cyan (95%)
- Magenta (0%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0204, 71.6451, 12.3459 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 36.0204, 71.6451, 12.3459 by changing the saturation by 10% instead.


 36.0204, 71.6451,
12.3459


 36.0204, 71.6451,
12.3459


320.4794,
466.3054, 217.7405

 24.6201, 52.8688,
6.8543


 68.3872, 121.5518,
30.7973

 15.9215, 37.6981,
3.2941


 90.0845, 153.4510,
44.5942


 9.5591, 25.7484,
1.2467


 115.9448,
190.4934, 61.9966

 5.1676, 16.6355,
0.0175

 146.3335,
233.0632, 83.4231

 2.3817, 9.9750,
0.0000

 181.6159,
281.5449, 109.2922

 0.8360, 5.3824,
0.0000

 222.1575,

 0.0000, 2.4733,

336.3229, 140.0225

0.0000

268.3235,
397.7816, 176.0324

■ 0.0000, 0.8632,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.0204, 71.6451,
12.3459

■ 36.0204, 71.6451,
12.3459


■ 35.7602, 71.5201,
11.9209


■ 36.9908, 72.1112,
13.9350


■ 38.8949, 73.0258,
17.0503


■ 41.8932, 74.4660,
21.9552


■ 46.1161, 76.4945,
28.8632

 51.6762, 79.1653,
37.9578

 58.6728, 82.5261,
49.4021

 67.1964, 86.6204,
63.3434

 77.3295, 91.4879,
79.9171

 89.1491, 97.1655,
99.2488

Harmonies

Analogous

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



54.1018, 71.6451, 3.7418



36.0204, 71.6451, 12.3459



27.8800, 71.6451, 46.4836

Triad

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



36.0204, 71.6451, 12.3459



55.9479, 71.6451, 346.3905



134.4954, 71.6451, 42.2999

Complementary

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



36.0204, 71.6451, 12.3459



59.4421, 28.7921, 97.0063

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.



135.3951, 71.6451, 121.2945



36.0204, 71.6451, 12.3459



84.3178, 71.6451, 341.9971

Square

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



36.0204, 71.6451, 12.3459



37.0490, 71.6451, 251.9454



115.1189, 71.6451, 242.3217



112.9222, 71.6451, 11.0859

Rectangle

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



36.0204, 71.6451, 12.3459



27.1920, 71.6451, 95.8842



115.1189, 71.6451, 242.3217



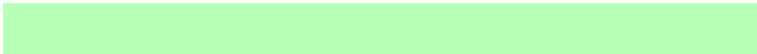
137.3941, 71.6451, 62.5066

Sweetspot

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



36.0206, 71.6452, 12.3470



64.0423, 85.1053, 58.1845



77.0793, 92.8117, 14.2675



12.9300, 17.8425, 11.1819



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.



36.0206, 71.6452, 12.3470



35.7602, 71.5201, 11.9209



40.2792, 73.3486, 34.7725



17.7717, 20.1682, 19.1010



18.6855, 37.3708, 6.2292



1.8194, 3.6387, 0.6067

Inverse Universe

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



59.4421, 28.7921, 97.0063



59.2848, 28.4779, 96.9524



45.7351, 23.3093, 24.8264



18.7927, 18.3004, 22.7912



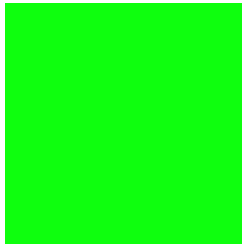
30.9776, 14.8803, 50.6600



3.0162, 1.4489, 4.9327

Previews

White Background



This preview shows how the XYZ color 36.0204, 71.6451, 12.3459 looks on a white background.

Color Contrast Check

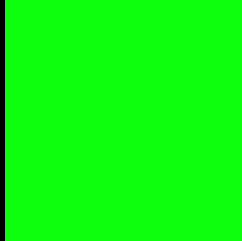
Large Text (above 18pt) WCAG AA × Fail

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 36.0204, 71.6451, 12.3459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

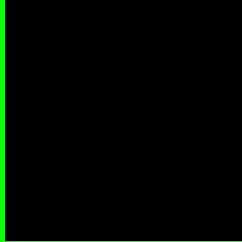
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

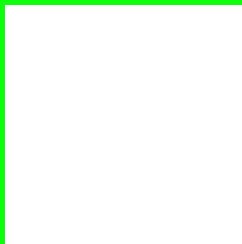
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.0204, 71.6451, 12.3459

Background



This preview shows how black text looks on a background with the XYZ color 36.0204, 71.6451, 12.3459.



This preview shows how white text looks on a background with the XYZ color 36.0204, 71.6451,

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

36.0204, 71.6451, 12.3459

Protanopia

63.0774, 69.7356, 10.1358

Deuteranopia

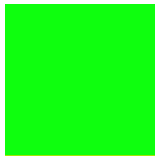
69.4922, 69.8317, 35.8028



Tritanopia

54.9849, 70.7883, 105.3732

Trichromacy



Original Color

36.0204, 71.6451, 12.3459



Protanomaly

43.5036, 64.8442, 10.3669



Deuteranomaly

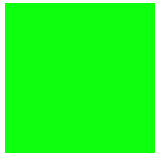
45.5168, 63.9982, 21.0202



Tritanomaly

42.1675, 68.5109, 47.5607

Monochromacy



Original Color

36.0204, 71.6451, 12.3459



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

26.8384, 41.2041, 19.6354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0204, 71.6451, 12.3459 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(14, 255, 14)` looks like.

```
.text, #text, p{  
    color:rgb(14, 255, 14)  
}
```

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(14, 255, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 255, 14) }
```

Border

The CSS property to change the border of an element to XYZ 36.0204, 71.6451, 12.3459 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(14, 255, 14) }
```


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

```
.border{ border-color:rgb(14, 255, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 255, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 255, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 255, 14);  
box-shadow:4px 4px 4px 4px rgb(14, 255,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0204, 71.6451, 12.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 255, 14) }
```

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

```
.background{ background-color: rgb(14, 255,  
14) }
```

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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