

Converting Colors

XYZ(36.3516, 71.3940, 16.1535)

Have a look what the booklet for
XYZ(36.3516, 71.3940, 16.1535)
contains.

XYZ(36.2574, 71.2099, 16.1089)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.2574, 71.2099,
16.1089)**

Conversions

Conversions Part 1

Format	Color
Hex	00FE3C
RGB	0, 254, 60
RGB Percent	0%, 100%, 24%
CMY	1.0000, 0.0039, 0.7647
CMYK	1.00, 0.00, 0.76, 0.00
HSL	134°, 100%, 50%
HSV	134°, 100%, 100%
XYZ	36.2574, 71.2099, 16.1089
YIQ	155.9380, -89.1100, -114.1820

Conversions

Conversions Part 2

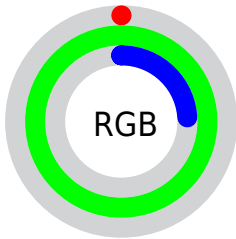
Format	Color
RYB	0, 205, 254
Decimal	65084
CIELab	87.59, -83.87, 72.82
CIELCh	88, 111.072, 139.035
Yxy	71.2099, 0.2934, 0.5762
Android (android.graphics.Color)	4278255164 (0xFF00FE3C)
YUV	155.9380, -47.2974, -136.7576
Hunter-Lab	84.3860, -70.9808, 47.7520

Details

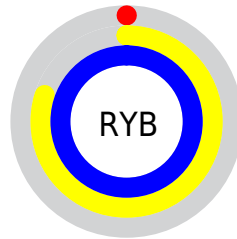
The XYZ color **36.2574, 71.2099, 16.1089** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **50.6119, 24.9666, 53.1883**, and the grayscale version is **31.8067, 33.4631, 36.4413**.

A 20% lighter version of the original color is **46.6214, 76.7276, 30.1220**, and **19.5151, 39.0302, 6.5050** is the 20% darker color. If you saturate the color by 10%, you get **36.2591, 71.2128, 16.1105**, and if you desaturate by 10%, it is **37.2803, 71.6688, 19.3438**.

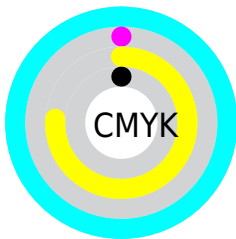
Distribution



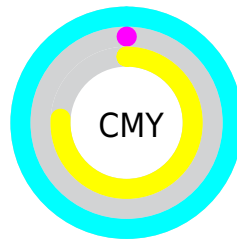
- Red (0%)
- Green (100%)
- Blue (24%)



- Red (0%)
- Yellow (80%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2574, 71.2099, 16.1089 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 36.2574, 71.2099, 16.1089 by changing the saturation by 10% instead.


 36.2574, 71.2099,
16.1089


 36.2574, 71.2099,
16.1089


321.4958,
464.7869, 241.8511


 24.8041, 52.5135,
9.4461


 68.7504, 120.9325,
37.5566

 16.0591, 37.4145,
4.9325


 90.5209, 152.7276,
53.1785


 9.6571, 25.5286,
2.1497


 116.4611,
189.6577, 72.6238

 5.2327, 16.4713,
0.6451

 146.9364,
232.1071, 96.3112

 2.4206, 9.8583,
0.0000

 182.3122,
280.4604, 124.6590

 0.8554, 5.3051,
0.0000

222.9538,

 0.0000, 2.4274,

335.1018, 158.0859

0.0000

269.2265,
396.4158, 197.0104

■ 0.0000, 0.8399,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.2574, 71.2099,
16.1089

■ 36.2574, 71.2099,
16.1089

■ 36.2591, 71.2128,
16.1105

■ 37.2803, 71.6688,
19.3438

■ 39.0414, 72.4823,
23.6890

■ 41.7221, 73.7442,
29.2392

■ 45.4367, 75.5117,
36.0762

■ 50.2823, 77.8333,
44.2743

■ 56.3444, 80.7515,
53.9022

■ 63.6999, 84.3049,
65.0238

■ 72.4195, 88.5285,
77.6992

■ 82.5685, 93.4548,
91.9851

Harmonies

Analogous

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



52.5094, 71.2099, 5.4261



36.2574, 71.2099, 16.1089



29.2186, 71.2099, 53.1457

Triad

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



36.2574, 71.2099, 16.1089



58.5223, 71.2099, 323.9142



127.5415, 71.2099, 39.2782

Complementary

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



36.2574, 71.2099, 16.1089



50.6119, 24.9666, 53.1883

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.



130.3689, 71.2099, 108.4355



36.2574, 71.2099, 16.1089



85.5294, 71.2099, 310.4388

Square

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



36.2574, 71.2099, 16.1089



39.6747, 71.2099, 246.0976



113.4377, 71.2099, 216.2997



106.4927, 71.2099, 11.5687

Rectangle

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



36.2574, 71.2099, 16.1089



29.0501, 71.2099, 102.5427



113.4377, 71.2099, 216.2997



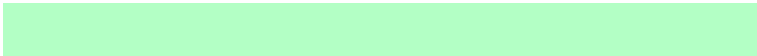
130.8269, 71.2099, 56.9652

Sweetspot

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



36.2591, 71.2128, 16.1105



64.2642, 85.0559, 65.5975



57.8810, 82.4536, 12.8645



13.0503, 17.8647, 12.9876



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.



36.2591, 71.2128, 16.1105



36.5821, 71.8488, 16.2489



44.3349, 74.4432, 58.6373



17.9474, 20.2385, 20.0260



19.1625, 37.5616, 8.7412



1.9060, 3.6733, 1.0628

Inverse Universe

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



50.6119, 24.9666, 53.1883



51.0628, 25.1891, 53.6563



41.9100, 21.4858, 7.3647



18.5983, 18.2227, 21.7680



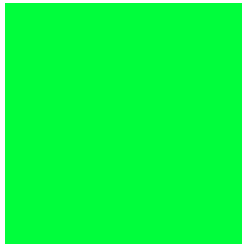
26.7423, 13.1862, 28.3574



2.6460, 1.3008, 2.9831

Previews

White Background



This preview shows how the XYZ color 36.2574, 71.2099, 16.1089 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 36.2574, 71.2099, 16.1089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

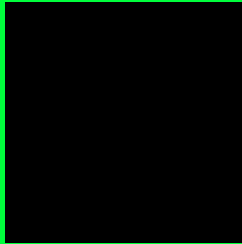
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.2574, 71.2099, 16.1089

Background



This preview shows how black text looks on a background with the XYZ color 36.2574, 71.2099, 16.1089.

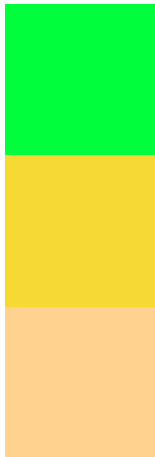


This preview shows how white text looks on a background with the XYZ color 36.2574, 71.2099,

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

36.2574, 71.2099, 16.1089

Protanopia

62.9772, 69.6149, 13.2497

Deuteranopia

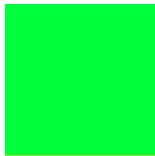
69.2445, 69.3364, 35.7203



Tritanopia

54.4759, 70.5259, 105.3494

Trichromacy



Original Color

36.2574, 71.2099, 16.1089



Protanomaly

42.7593, 64.3867, 13.6643



Deuteranomaly

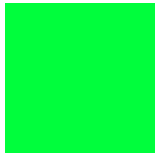
45.0773, 63.2663, 25.4586



Tritanomaly

43.2281, 68.8640, 56.3611

Monochromacy



Original Color

36.2574, 71.2099, 16.1089



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

27.4464, 41.7324, 24.6977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2574, 71.2099, 16.1089 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(0, 254, 60)` looks like.

```
.text, #text, p{  
    color:rgb(0, 254, 60)  
}
```

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(0, 254, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 254, 60) }
```

Border

The CSS property to change the border of an element to XYZ 36.2574, 71.2099, 16.1089 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(0, 254, 60) }
```


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

```
.border{ border-color:rgb(0, 254, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 254, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 254, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 254, 60);  
box-shadow:4px 4px 4px 4px rgb(0, 254, 60)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.2574, 71.2099, 16.1089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 254, 60) }
```

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

```
.background{ background-color: rgb(0, 254,  
60) }
```

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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