

Converting Colors

XYZ(36.3584, 71.7594, 15.0713)

Have a look what the booklet for
XYZ(36.3584, 71.7594, 15.0713)
contains.

XYZ(36.3575, 71.7590, 15.0666)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

**XYZ(36.3575, 71.7590,
15.0666)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF33
RGB	0, 255, 51
RGB Percent	0%, 100%, 20%
CMY	1.0000, 0.0000, 0.8000
CMYK	1.00, 0.00, 0.80, 0.00
HSL	132°, 100%, 50%
HSV	132°, 100%, 100%
XYZ	36.3575, 71.7590, 15.0666
YIQ	155.4990, -86.4960, -117.5040

Conversions

Conversions Part 2

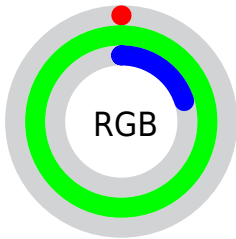
Format	Color
RYB	0, 213, 255
Decimal	65331
CIELab	87.85, -84.68, 75.61
CIELCh	88, 113.525, 138.240
Yxy	71.7590, 0.2952, 0.5825
Android (android.graphics.Color)	4278255411 (0xFF00FF33)
YUV	155.4990, -51.5180, -136.3726
Hunter-Lab	84.7107, -71.6322, 48.7522

Details

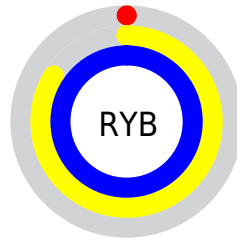
The XYZ color **36.3575, 71.7590, 15.0666** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **52.1379, 25.6192, 59.3176**, and the grayscale version is **31.6268, 33.2738, 36.2352**.

A 20% lighter version of the original color is **46.4050, 76.6568, 28.2700**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.3578, 71.7591, 15.0677**, and if you desaturate by 10%, it is **37.3238, 72.1933, 17.9978**.

Distribution



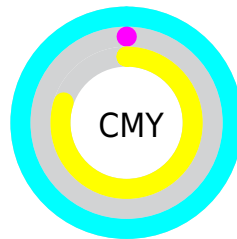
- Red (0%)
- Green (100%)
- Blue (20%)



- Red (0%)
- Yellow (84%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3575, 71.7590, 15.0666 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 36.3575, 71.7590, 15.0666 by changing the saturation by 10% instead.


 36.3575, 71.7590,
15.0666


 36.3575, 71.7590,
15.0666


321.9245,
466.7023, 235.4236


 24.8818, 52.9618,
8.7190


 68.9038, 121.7138,
35.7139


 16.1173, 37.7723,
4.4641


 90.7051, 153.6403,
50.8507


 9.6986, 25.8060,
1.8832


 116.6789,
190.7119, 69.7544

 5.2603, 16.6786,
0.4820

 147.1908,
233.3132, 92.8433

 2.4371, 10.0056,
0.0000

 182.6059,
281.8285, 120.5362

 0.8636, 5.4027,
0.0000

223.2896,

 0.0000, 2.4854,

336.6422, 153.2515

0.0000

269.6074,
398.1387, 191.4078

■ 0.0000, 0.8693,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.3575, 71.7590,
15.0666

■ 36.3575, 71.7590,
15.0666

■ 36.3578, 71.7591,
15.0677

■ 37.3238, 72.1933,
17.9978

■ 39.0486, 72.9932,
22.1122

■ 41.7165, 74.2515,
27.5230

■ 45.4459, 76.0274,
34.3273

■ 50.3372, 78.3706,
42.6131

■ 56.4789, 81.3251,
52.4610

■ 63.9505, 84.9304,
63.9456

■ 72.8253, 89.2227,
77.1371

■ 83.1707, 94.2355,
92.1011

Harmonies

Analogous

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



53.2181, 71.7590, 4.9198



36.3575, 71.7590, 15.0666



28.9717, 71.7590, 51.5887

Triad

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



36.3575, 71.7590, 15.0666



58.1656, 71.7590, 332.6249



130.3136, 71.7590, 40.2380

Complementary

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



36.3575, 71.7590, 15.0666



52.1379, 25.6192, 59.3176

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.



132.6650, 71.7590, 112.5064



36.3575, 71.7590, 15.0666



85.7700, 71.7590, 321.3354

Square

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



36.3575, 71.7590, 15.0666



39.1528, 71.7590, 249.6850



114.6974, 71.7590, 224.7921



108.9319, 71.7590, 11.4397

Rectangle

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



36.3575, 71.7590, 15.0666



28.6600, 71.7590, 101.4260



114.6974, 71.7590, 224.7921



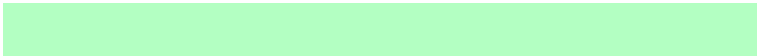
133.5294, 71.7590, 58.7113

Sweetspot

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



36.3578, 71.7591, 15.0677



63.9505, 84.9304, 63.9456



60.6618, 84.3574, 13.0854



12.9780, 17.8357, 12.6069



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.



36.3578, 71.7591, 15.0677



43.8462, 74.7545, 54.5013



17.9201, 20.2276, 19.8822



19.0394, 37.5123, 8.0927



1.8904, 3.6671, 0.9806

Inverse Universe

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



52.1379, 25.6192, 59.3176



42.5620, 21.7888, 8.8914



18.6278, 18.2344, 21.9229



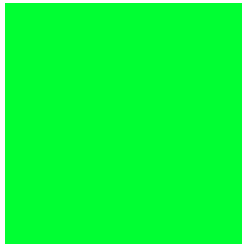
27.2980, 13.4085, 31.2831



2.6956, 1.3206, 3.2445

Previews

White Background



This preview shows how the XYZ color 36.3575, 71.7590, 15.0666 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 36.3575, 71.7590, 15.0666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

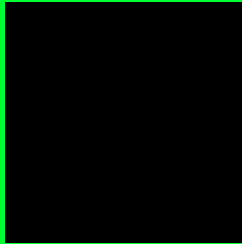
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

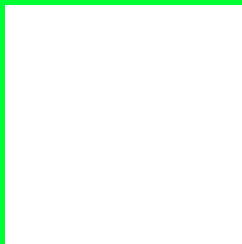
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3575, 71.7590, 15.0666

Background



This preview shows how black text looks on a background with the XYZ color 36.3575, 71.7590, 15.0666.

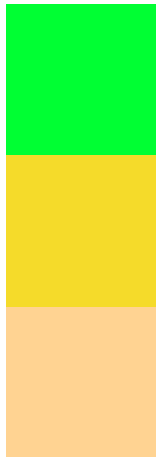


This preview shows how white text looks on a background with the XYZ color 36.3575, 71.7590,

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

36.3575, 71.7590, 15.0666

Protanopia

63.4056, 70.2427, 12.4068

Deuteranopia

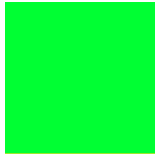
69.7226, 69.9239, 37.0160



Tritanopia

55.4044, 71.4332, 105.4756

Trichromacy



Original Color

36.3575, 71.7590, 15.0666



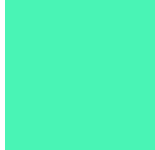
Protanomaly

43.0406, 64.9706, 12.7547



Deuteranomaly

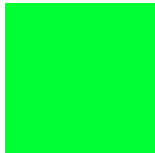
45.2386, 63.7672, 24.9629



Tritanomaly

43.4388, 69.4540, 54.8326

Monochromacy



Original Color

36.3575, 71.7590, 15.0666



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

27.2652, 41.6599, 23.7437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3575, 71.7590, 15.0666 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, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 51)  
}
```

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, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 36.3575, 71.7590, 15.0666 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, 255, 51) }
```

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

```
.border{ border-color:rgb(0, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 51)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.3575, 71.7590, 15.0666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 51) }
```

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

```
.background{ background-color: rgb(0, 255,  
51) }
```

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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