

Converting Colors

$Y_{xy}(72.0274, 0.2916, 0.5678)$

Have a look what the booklet for
Yxy(72.0274, 0.2916, 0.5678)
contains.

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Color

Yxy(72.0266, 0.2915, 0.5674)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 09FF47 |
| RGB | 9, 255, 71 |
| RGB Percent | 4%, 100%, 28% |
| CMY | 0.9660, 0.0000, 0.7216 |
| CMYK | 0.97, 0.00, 0.72, 0.00 |
| HSL | 135°, 100%, 52% |
| HSV | 135°, 97%, 100% |
| XYZ | 37.0034, 72.0266, 17.9114 |
| YIQ | 160.4700, -87.5520, -109.3760 |

Conversions

Conversions Part 2

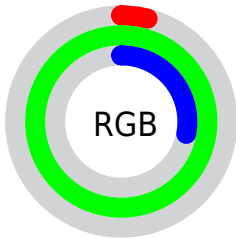
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 9, 205, 255 |
| Decimal | 655175 |
| CIELab | 87.98, -83.10, 69.69 |
| CIELCh | 88, 108.457, 140.015 |
| Yxy | 72.0266, 0.2915, 0.5674 |
| Android (android.graphics.Color) | 4278845255 (0xFF09FF47) |
| YUV | 160.4700, -44.1087, -132.8392 |
| Hunter-Lab | 84.8685, -70.6922, 46.8948 |

Details

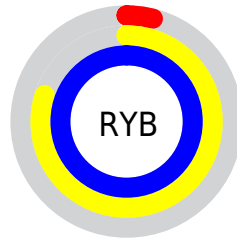
The Yxy color **72.0266, 0.2915, 0.5674** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **25.2841, 0.3958, 0.1965**, and the grayscale version is **35.5725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0269, 0.3005, 0.4891**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.8947, 0.2925, 0.5730**, and if you desaturate by 10%, it is **72.6007, 0.2887, 0.5477**.

Distribution



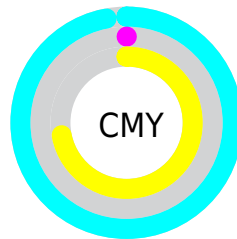
- Red (4%)
- Green (100%)
- Blue (28%)



- Red (4%)
- Yellow (80%)
- Blue (100%)



- Cyan (97%)
- Magenta (0%)
- Yellow (72%)
- Black (0%)





- Cyan (97%)
- Magenta (0%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.0266, 0.2915, 0.5674 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 Yxy color 72.0266, 0.2915, 0.5674 by changing the saturation by 10% instead.


 72.0266, 0.2915,
0.5674


 72.0266, 0.2915,
0.5674


467.6342, 0.3107,
0.4475

 53.1804, 0.2843,
0.5956

 122.0943, 0.3004,
0.5247


 37.9468, 0.2740,
0.6303

 154.0847, 0.3032,
0.5084

 25.9414, 0.2586,
0.6730


 191.2252, 0.3053,
0.4944

 16.7798, 0.2352,
0.7254

 233.9003, 0.3069,
0.4824

 10.0776, 0.2016,
0.7984

 282.4943, 0.3082,
0.4719

 5.4505, 0.1441,
0.8559

337.3917, 0.3092,

 2.5139, 0.0000,

0.4628

1.0000

398.9769, 0.3101,
0.4547

■ 0.8836, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.0266, 0.2915,
0.5674

■ 72.0266, 0.2915,
0.5674


■ 71.8947, 0.2925,
0.5730


■ 72.6007, 0.2887,
0.5477


■ 73.5755, 0.2873,
0.5236


■ 75.0206, 0.2874,
0.4965


■ 76.9899, 0.2889,
0.4678

 79.5298, 0.2918,
0.4391

 82.6813, 0.2955,
0.4115

 86.4816, 0.2999,
0.3857

 90.9650, 0.3046,
0.3623

 96.1633, 0.3095,
0.3414

Harmonies

Analogous

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



72.0266, 0.4027, 0.5492



72.0266, 0.2915, 0.5674



72.0266, 0.1908, 0.4544

Triad

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



72.0266, 0.2915, 0.5674



72.0266, 0.1335, 0.1597



72.0266, 0.5325, 0.3030

Complementary

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



72.0266, 0.2915, 0.5674



25.2841, 0.3958, 0.1965

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.



72.0266, 0.4223, 0.2340



72.0266, 0.2915, 0.5674



72.0266, 0.1883, 0.1561

Square

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



72.0266, 0.2915, 0.5674



72.0266, 0.1148, 0.2006



72.0266, 0.2879, 0.1818



72.0266, 0.5566, 0.3796

Rectangle

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



72.0266, 0.2915, 0.5674



72.0266, 0.1453, 0.3460



72.0266, 0.2879, 0.1818



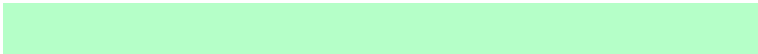
72.0266, 0.5034, 0.2790

Sweetspot

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



72.0296, 0.2915, 0.5674



85.5086, 0.2988, 0.3917



82.9302, 0.3759, 0.5384



17.9527, 0.2969, 0.4026



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0296, 0.2915, 0.5674



71.8960, 0.2925, 0.5730



75.4437, 0.2477, 0.4104



20.2436, 0.3081, 0.3473



37.5873, 0.2918, 0.5704



3.6765, 0.2859, 0.5492

Inverse Universe

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



25.2841, 0.3958, 0.1965



24.9991, 0.3991, 0.1972



21.8935, 0.5882, 0.3034



18.2172, 0.3177, 0.3114



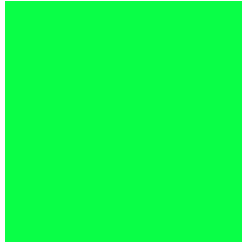
13.0879, 0.3976, 0.1964



1.2919, 0.3869, 0.1905

Previews

White Background



This preview shows how the Yxy color 72.0266, 0.2915, 0.5674 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 Yxy color 72.0266, 0.2915, 0.5674 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](#).

Yxy 72.0266, 0.2915, 0.5674

Background



This preview shows how black text looks on a background with the Yxy color 72.0266, 0.2915, 0.5674.

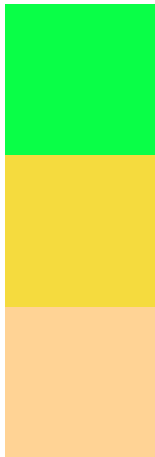


This preview shows how white text looks on a background with the Yxy color 72.0266, 0.2915, 0.5674.

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

72.0330, 0.2915, 0.5674

Protanopia

70.4233, 0.4284, 0.4724

Deuteranopia

70.0185, 0.3925, 0.3928



Tritanopia

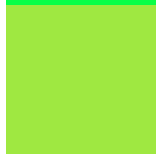
71.5014, 0.2388, 0.3075

Trichromacy



Original Color

72.0330, 0.2915, 0.5674



Protanomaly

65.4658, 0.3532, 0.5242



Deuteranomaly

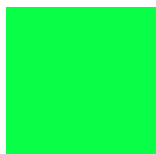
64.3180, 0.3345, 0.4633



Tritanomaly

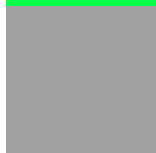
69.9100, 0.2570, 0.4038

Monochromacy



Original Color

72.0330, 0.2915, 0.5674



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

43.5920, 0.2920, 0.4354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0266, 0.2915, 0.5674 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(9, 255, 71)` looks like.

```
.text, #text, p{  
    color:rgb(9, 255, 71)  
}
```

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(9, 255, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 255, 71) }
```

Border

The CSS property to change the border of an element to Yxy 72.0266, 0.2915, 0.5674 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(9, 255, 71) }
```

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

```
.border{ border-color:rgb(9, 255, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 255, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 255, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 255, 71);  
box-shadow:4px 4px 4px 4px rgb(9, 255, 71)  
}
```


Background

The CSS property to change the background color of an element to Yxy 72.0266, 0.2915, 0.5674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 255, 71) }
```

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

```
.background{ background-color: rgb(9, 255,  
71) }
```

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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