

Converting Colors

Yxy(68.8085, 0.2898, 0.5632)

Have a look what the booklet for
Yxy(68.8085, 0.2898, 0.5632)
contains.

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Color

Yxy(68.8656, 0.2899, 0.5636)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00FA4A |
| RGB | 0, 250, 74 |
| RGB Percent | 0%, 98%, 29% |
| CMY | 0.9994, 0.0196, 0.7099 |
| CMYK | 1.00, 0.00, 0.70, 0.02 |
| HSL | 138°, 100%, 49% |
| HSV | 138°, 100%, 98% |
| XYZ | 35.4225, 68.8656, 17.9007 |
| YIQ | 155.1860, -92.5040, -107.7360 |

Conversions

Conversions Part 2

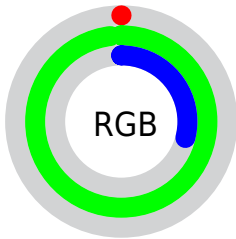
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 193, 250 |
| Decimal | 64074 |
| CIELab | 86.44, -81.72, 67.05 |
| CIELCh | 86, 105.710, 140.631 |
| Yxy | 68.8656, 0.2899, 0.5636 |
| Android (android.graphics.Color) | 4278254154 (0xFF00FA4A) |
| YUV | 155.1860, -40.0247, -136.0981 |
| Hunter-Lab | 82.9853, -69.0310, 45.3003 |

Details

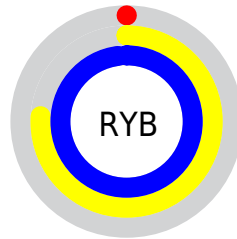
The Yxy color **68.8656, 0.2899, 0.5636** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **23.4695, 0.4149, 0.2060**, and the grayscale version is **33.0988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8717, 0.2983, 0.4873**, and **37.6993, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **68.8659, 0.2899, 0.5637**, and if you desaturate by 10%, it is **69.3476, 0.2867, 0.5445**.

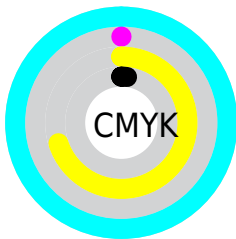
Distribution



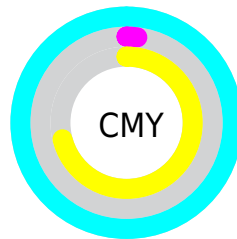
- Red (0%)
- Green (98%)
- Blue (29%)



- Red (0%)
- Yellow (76%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (2%)




- Cyan (100%)
- Magenta (2%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8656, 0.2899, 0.5636 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 68.8656, 0.2899, 0.5636 by changing the saturation by 10% instead.

 68.8656, 0.2899,
0.5636


 68.8656, 0.2899,
0.5636


456.5568, 0.3096,
0.4446


 50.6023, 0.2826,
0.5921


 117.5896, 0.2989,
0.5209


 35.8922, 0.2722,
0.6272


 148.8190, 0.3017,
0.5046


 24.3509, 0.2566,
0.6709


 185.1393, 0.3039,
0.4908

 15.5941, 0.2327,
0.7250

 226.9348, 0.3056,
0.4789

 9.2374, 0.1983,
0.8017

 274.5899, 0.3069,
0.4686

 4.8964, 0.1385,
0.8615

328.4890, 0.3080,

 2.1866, 0.0000,

0.4596

1.0000

389.0165, 0.3088,
0.4516

 0.7127, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 68.8656, 0.2899,
0.5636


 68.8656, 0.2899,
0.5636


 68.8659, 0.2899,
0.5637


 69.3476, 0.2867,
0.5445


 70.1640, 0.2846,
0.5217


 71.4032, 0.2842,
0.4960

 73.1186, 0.2855,
0.4688

 75.3556, 0.2882,
0.4414

 78.1539, 0.2920,
0.4150

 81.5495, 0.2967,
0.3901

 85.5752, 0.3018,
0.3674

 90.2612, 0.3073,
0.3470

Harmonies

Analogous

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



68.8656, 0.4004, 0.5488



68.8656, 0.2899, 0.5636



68.8656, 0.1904, 0.4496

Triad

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



68.8656, 0.2899, 0.5636



68.8656, 0.1355, 0.1606



68.8656, 0.5318, 0.3050

Complementary

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



68.8656, 0.2899, 0.5636



23.4695, 0.4149, 0.2060

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.



68.8656, 0.4240, 0.2361



68.8656, 0.2899, 0.5636



68.8656, 0.1909, 0.1576

Square

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



68.8656, 0.2899, 0.5636



68.8656, 0.1163, 0.2005



68.8656, 0.2907, 0.1838



68.8656, 0.5541, 0.3815

Rectangle

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



68.8656, 0.2899, 0.5636



68.8656, 0.1458, 0.3430



68.8656, 0.2907, 0.1838



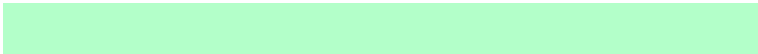
68.8656, 0.5035, 0.2810

Sweetspot

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



68.8684, 0.2899, 0.5636



85.2663, 0.2966, 0.3904



77.9827, 0.3692, 0.5450



17.9134, 0.2946, 0.4006



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.



68.8684, 0.2899, 0.5636



72.0328, 0.2900, 0.5639



72.3538, 0.2448, 0.4013



19.3936, 0.3075, 0.3462



36.5494, 0.2891, 0.5609



3.4028, 0.2826, 0.5375

Inverse Universe

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



23.4695, 0.4149, 0.2060



24.5409, 0.4151, 0.2060



20.5971, 0.6068, 0.3117



17.4320, 0.3183, 0.3124



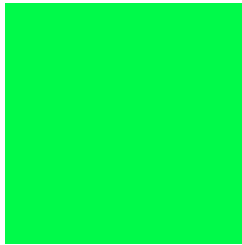
12.4723, 0.4131, 0.2049



1.1737, 0.3994, 0.1974

Previews

White Background



This preview shows how the Yxy color 68.8656, 0.2899, 0.5636 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 68.8656, 0.2899, 0.5636 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 68.8656, 0.2899, 0.5636

Background



This preview shows how black text looks on a background with the Yxy color 68.8656, 0.2899, 0.5636.

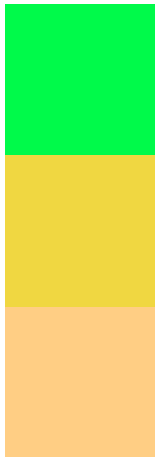


This preview shows how white text looks on a background with the Yxy color 68.8656, 0.2899, 0.5636.

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

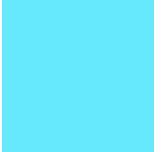
68.8656, 0.2899, 0.5636

Protanopia

67.5078, 0.4264, 0.4704

Deuteranopia

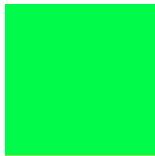
67.0686, 0.4071, 0.4046



Tritanopia

68.1309, 0.2342, 0.3058

Trichromacy



Original Color

68.8656, 0.2899, 0.5636



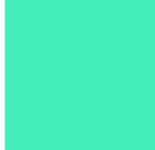
Protanomaly

62.6765, 0.3495, 0.5225



Deuteranomaly

61.0716, 0.3390, 0.4717



Tritanomaly

66.4447, 0.2530, 0.4001

Monochromacy



Original Color

68.8656, 0.2899, 0.5636



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

40.9859, 0.2891, 0.4336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8656, 0.2899, 0.5636 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, 250, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 74)  
}
```

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, 250, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 74) }
```

Border

The CSS property to change the border of an element to Yxy 68.8656, 0.2899, 0.5636 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, 250, 74) }
```

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

```
.border{ border-color:rgb(0, 250, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 250, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 74);  
box-shadow:4px 4px 4px 4px rgb(0, 250, 74)  
}
```


Background

The CSS property to change the background color of an element to Yxy 68.8656, 0.2899, 0.5636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 250, 74) }
```

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

```
.background{ background-color: rgb(0, 250,  
74) }
```

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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