

Converting Colors

$Y_{xy}(68.3895, 0.2900, 0.5630)$

Have a look what the booklet for
Yxy(68.3895, 0.2900, 0.5630)
contains.

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Color

Yxy(68.2716, 0.2900, 0.5631)

Conversions

Conversions Part 1

Format	Color
Hex	04F94A
RGB	4, 249, 74
RGB Percent	2%, 98%, 29%
CMY	0.9854, 0.0235, 0.7096
CMYK	0.99, 0.00, 0.70, 0.02
HSL	137°, 97%, 50%
HSV	137°, 99%, 98%
XYZ	35.1603, 68.2716, 17.8105
YIQ	155.7950, -89.8450, -106.3650

Conversions

Conversions Part 2

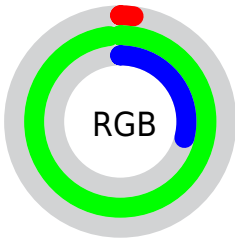
Format	Color
RYB	4, 195, 249
Decimal	325962
CIELab	86.14, -81.34, 66.73
CIELCh	86, 105.207, 140.636
Yxy	68.2716, 0.2900, 0.5631
Android (android.graphics.Color)	4278516042 (0xFF04F94A)
YUV	155.7950, -40.3249, -133.1242
Hunter-Lab	82.6266, -68.6391, 45.0584

Details

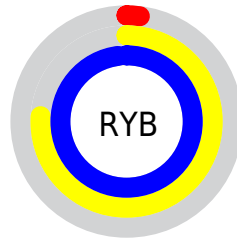
The Yxy color **68.2716, 0.2900, 0.5631** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **23.4636, 0.4099, 0.2037**, and the grayscale version is **33.3279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9406, 0.2987, 0.4871**, and **37.2616, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **68.2153, 0.2905, 0.5657**, and if you desaturate by 10%, it is **68.7805, 0.2869, 0.5436**.

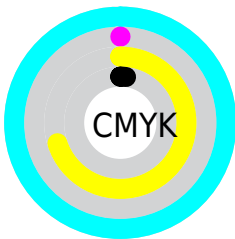
Distribution



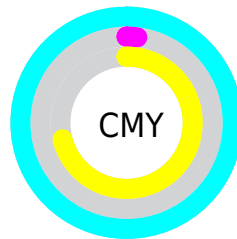
- Red (2%)
- Green (98%)
- Blue (29%)



- Red (2%)
- Yellow (76%)
- Blue (98%)



- Cyan (99%)
- Magenta (0%)
- Yellow (70%)
- Black (2%)





- Cyan (99%)
- Magenta (2%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2716, 0.2900, 0.5631 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 68.2716, 0.2900, 0.5631 by changing the saturation by 10% instead.

 68.2716, 0.2900,
0.5631

 68.2716, 0.2900,
0.5631


454.4577, 0.3096,
0.4441


 50.1187, 0.2827,
0.5916


 116.7406, 0.2990,
0.5204

 35.5077, 0.2723,
0.6268


 147.8255, 0.3018,
0.5041

 24.0543, 0.2566,
0.6706


 183.9899, 0.3040,
0.4903

 15.3739, 0.2327,
0.7250

 225.6182, 0.3056,
0.4784

 9.0822, 0.1980,
0.8020

 273.0947, 0.3070,
0.4681

 4.7948, 0.1376,
0.8624


326.8038, 0.3080,

 2.1274, 0.0000,


0.4591


1.0000


387.1300, 0.3089,
0.4512


 0.6800, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 68.2716, 0.2900,
0.5631


 68.2716, 0.2900,
0.5631


 68.2153, 0.2905,
0.5657

 68.7805, 0.2869,
0.5436


 69.6430, 0.2851,
0.5202


 70.9341, 0.2849,
0.4941


 72.7055, 0.2864,
0.4665

 75.0013, 0.2892,
0.4389

 77.8606, 0.2931,
0.4123

 81.3184, 0.2977,
0.3875

 85.4070, 0.3028,
0.3648

 90.1563, 0.3082,
0.3445

Harmonies

Analogous

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



68.2716, 0.4004, 0.5484



68.2716, 0.2900, 0.5631



68.2716, 0.1906, 0.4494

Triad

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



68.2716, 0.2900, 0.5631



68.2716, 0.1358, 0.1609



68.2716, 0.5314, 0.3051

Complementary

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



68.2716, 0.2900, 0.5631



23.4636, 0.4099, 0.2037

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.



68.2716, 0.4239, 0.2363



68.2716, 0.2900, 0.5631



68.2716, 0.1911, 0.1578

Square

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



68.2716, 0.2900, 0.5631



68.2716, 0.1165, 0.2007



68.2716, 0.2908, 0.1840



68.2716, 0.5537, 0.3815

Rectangle

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



68.2716, 0.2900, 0.5631



68.2716, 0.1460, 0.3429



68.2716, 0.2908, 0.1840



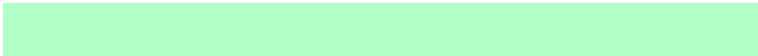
68.2716, 0.5032, 0.2812

Sweetspot

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



68.2744, 0.2900, 0.5631



85.2346, 0.2970, 0.3912



77.4080, 0.3697, 0.5440



17.9060, 0.2950, 0.4016



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.



68.2744, 0.2900, 0.5631



72.0025, 0.2905, 0.5659



71.7586, 0.2447, 0.4002



19.3911, 0.3076, 0.3464



36.5335, 0.2897, 0.5629



3.4011, 0.2833, 0.5397

Inverse Universe

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



23.4636, 0.4099, 0.2037



24.6329, 0.4117, 0.2042



20.5159, 0.6030, 0.3105



17.4347, 0.3182, 0.3122



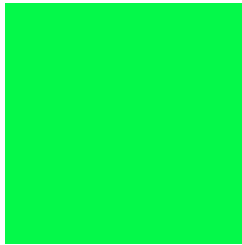
12.5185, 0.4098, 0.2031



1.1777, 0.3966, 0.1959

Previews

White Background



This preview shows how the Yxy color 68.2716, 0.2900, 0.5631 looks on a white background.

Color Contrast Check

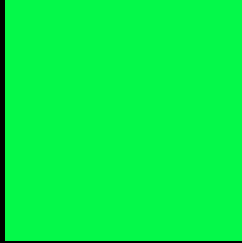
Large Text (above 18pt) WCAG AA × Fail

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 68.2716, 0.2900, 0.5631 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 68.2716, 0.2900, 0.5631

Background



This preview shows how black text looks on a background with the Yxy color 68.2716, 0.2900, 0.5631.

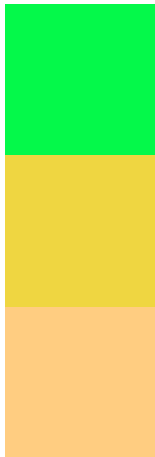


This preview shows how white text looks on a background with the Yxy color 68.2716, 0.2900, 0.5631.

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

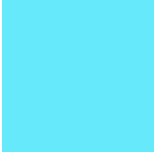
68.2716, 0.2900, 0.5631

Protanopia

66.8255, 0.4264, 0.4702

Deuteranopia

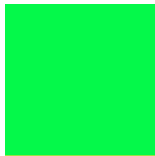
66.5076, 0.4097, 0.4065



Tritanopia

68.0676, 0.2346, 0.3069

Trichromacy



Original Color

68.2716, 0.2900, 0.5631



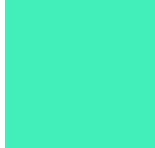
Protanomaly

62.1278, 0.3499, 0.5219



Deuteranomaly

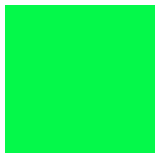
60.7095, 0.3418, 0.4724



Tritanomaly

66.4791, 0.2532, 0.4000

Monochromacy



Original Color

68.2716, 0.2900, 0.5631



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

41.1000, 0.2904, 0.4332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2716, 0.2900, 0.5631 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(4, 249, 74)` looks like.

```
.text, #text, p{  
    color:rgb(4, 249, 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(4, 249, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 249, 74) }
```

Border

The CSS property to change the border of an element to Yxy 68.2716, 0.2900, 0.5631 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(4, 249, 74) }
```

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

```
.border{ border-color:rgb(4, 249, 74) }
```

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

Here you see how a box with a 4 pixel rgb(4, 249, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 249, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 249, 74);  
box-shadow:4px 4px 4px 4px rgb(4, 249, 74)  
}
```


Background

The CSS property to change the background color of an element to Yxy 68.2716, 0.2900, 0.5631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 249, 74) }
```

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

```
.background{ background-color: rgb(4, 249,  
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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