

Converting Colors

$Yxy(68.8802, 0.2884, 0.5583)$

Have a look what the booklet for
Yxy(68.8802, 0.2884, 0.5583)
contains.

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Color

Yxy(68.9504, 0.2883, 0.5578)

Conversions

Conversions Part 1

Format	Color
Hex	00FA50
RGB	0, 250, 80
RGB Percent	0%, 98%, 31%
CMY	0.9987, 0.0196, 0.6862
CMYK	1.00, 0.00, 0.68, 0.02
HSL	139°, 100%, 49%
HSV	139°, 100%, 98%
XYZ	35.6371, 68.9504, 19.0238
YIQ	155.8700, -94.4300, -105.8700

Conversions

Conversions Part 2

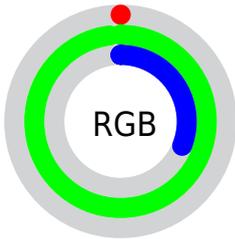
Format	Color
RYB	0, 189, 250
Decimal	64080
CIELab	86.48, -81.18, 64.88
CIELCh	86, 103.920, 141.367
Yxy	68.9504, 0.2883, 0.5578
Android (android.graphics.Color)	4278254160 (0xFF00FA50)
YUV	155.8700, -37.4039, -136.6980
Hunter-Lab	83.0364, -68.7059, 44.5420

Details

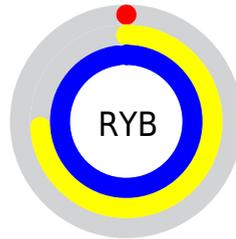
The Yxy color **68.9504, 0.2883, 0.5578** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **23.2449, 0.4240, 0.2110**, and the grayscale version is **33.4338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0106, 0.2962, 0.4811**, and **37.7124, 0.2995, 0.5981** is the 20% darker color. If you saturate the color by 10%, you get **68.9478, 0.2883, 0.5580**, and if you desaturate by 10%, it is **69.4463, 0.2849, 0.5384**.

Distribution



- Red (0%)
- Green (98%)
- Blue (31%)



- Red (0%)
- Yellow (74%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (68%)
- Black (2%)



- Cyan (100%)
- Magenta (2%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9504, 0.2883, 0.5578 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 68.9504, 0.2883, 0.5578 by changing the saturation by 10% instead.

 68.9504, 0.2883,
0.5578

 68.9504, 0.2883,
0.5578

456.8560, 0.3081,
0.4415

 50.6713, 0.2812,
0.5858

 117.7107, 0.2972,
0.5160

 35.9471, 0.2710,
0.6204

 148.9608, 0.3001,
0.5001

 24.3933, 0.2558,
0.6638

 185.3032, 0.3023,
0.4866

 15.6257, 0.2327,
0.7181

 227.1225, 0.3040,
0.4750

 9.2597, 0.2003,
0.7997

 274.8031, 0.3054,
0.4649

 4.9109, 0.1408,
0.8592

328.7292, 0.3065,

 2.1951, 0.0000,

0.4562

1.0000

389.2854, 0.3074,
0.4484

 0.7173, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000

 68.9504, 0.2883,
0.5578

 68.9504, 0.2883,
0.5578

 68.9478, 0.2883,
0.5580

 69.4463, 0.2849,
0.5384

 70.2744, 0.2829,
0.5156

 71.5216, 0.2825,
0.4903

 73.2410, 0.2839,
0.4638

 75.4773, 0.2868,
0.4373

 78.2700, 0.2908,
0.4118

 81.6546, 0.2958,
0.3878

 85.6634, 0.3012,
0.3660

 90.3266, 0.3070,
0.3463

Harmonies

Analogous

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



68.9504, 0.3976, 0.5473



68.9504, 0.2883, 0.5578



68.9504, 0.1905, 0.4435

Triad

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



68.9504, 0.2883, 0.5578



68.9504, 0.1385, 0.1623



68.9504, 0.5298, 0.3077

Complementary

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



68.9504, 0.2883, 0.5578



23.2449, 0.4240, 0.2110

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.



68.9504, 0.4255, 0.2390



68.9504, 0.2883, 0.5578



68.9504, 0.1945, 0.1599

Square

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



68.9504, 0.2883, 0.5578



68.9504, 0.1186, 0.2010



68.9504, 0.2942, 0.1866



68.9504, 0.5502, 0.3838

Rectangle

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



68.9504, 0.2883, 0.5578



68.9504, 0.1469, 0.3395



68.9504, 0.2942, 0.1866



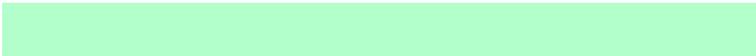
68.9504, 0.5027, 0.2838

Sweetspot

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



68.9532, 0.2883, 0.5578



85.3522, 0.2957, 0.3882



77.0232, 0.3636, 0.5495



17.9334, 0.2935, 0.3981



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.



68.9532, 0.2883, 0.5578



72.1201, 0.2884, 0.5582



72.7442, 0.2415, 0.3894



19.4005, 0.3072, 0.3456



36.5950, 0.2875, 0.5551



3.4077, 0.2810, 0.5314

Inverse Universe

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



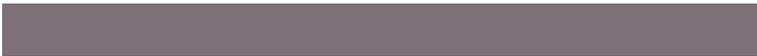
23.2449, 0.4240, 0.2110



24.3005, 0.4243, 0.2111



20.5292, 0.6151, 0.3163



17.4247, 0.3187, 0.3130



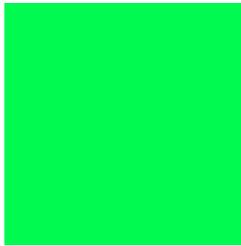
12.3513, 0.4221, 0.2099



1.1632, 0.4069, 0.2015

Previews

White Background



This preview shows how the Yxy color 68.9504, 0.2883, 0.5578 looks on a white background.

Color Contrast Check

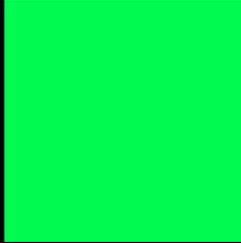
Large Text (above 18pt) WCAG AA × Fail

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 68.9504, 0.2883, 0.5578 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 68.9504, 0.2883, 0.5578

Background



This preview shows how black text looks on a background with the Yxy color 68.9504, 0.2883, 0.5578.

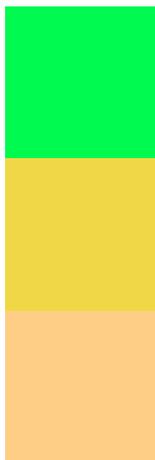


This preview shows how white text looks on a background with the Yxy color 68.9504, 0.2883, 0.5578.

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

68.9504, 0.2883, 0.5578

Protanopia

67.5683, 0.4245, 0.4676

Deuteranopia

67.1238, 0.4056, 0.4027



Tritanopia

68.7623, 0.2341, 0.3059

Trichromacy



Original Color

68.9504, 0.2883, 0.5578



Protanomaly

62.7535, 0.3474, 0.5176



Deuteranomaly

61.1388, 0.3374, 0.4682



Tritanomaly

67.1617, 0.2519, 0.3969

Monochromacy



Original Color

68.9504, 0.2883, 0.5578



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

41.0381, 0.2878, 0.4302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9504, 0.2883, 0.5578 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, 80)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 80)  
}
```

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, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 80) }
```

Border

The CSS property to change the border of an element to Yxy 68.9504, 0.2883, 0.5578 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, 80) }
```

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

```
.border{ border-color:rgb(0, 250, 80) }
```

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, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 80);  
box-shadow:4px 4px 4px 4px rgb(0, 250, 80)  
}
```

Background

The CSS property to change the background color of an element to Yxy 68.9504, 0.2883, 0.5578 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, 80) }
```

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

```
.background{ background-color: rgb(0, 250,  
80) }
```

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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