

Converting Colors

$Yxy(68.5949, 0.2940, 0.5783)$

Have a look what the booklet for
Yxy(68.5949, 0.2940, 0.5783)
contains.

Yxy(68.6567, 0.2940, 0.5784)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.6567, 0.2940, 0.5784)

Conversions

Conversions Part 1

Format	Color
Hex	00FA38
RGB	0, 250, 56
RGB Percent	0%, 98%, 22%
CMY	1.0000, 0.0196, 0.7806
CMYK	1.00, 0.00, 0.78, 0.02
HSL	133°, 100%, 49%
HSV	133°, 100%, 98%
XYZ	34.8981, 68.6567, 15.1463
YIQ	153.1340, -86.7260, -113.3340

Conversions

Conversions Part 2

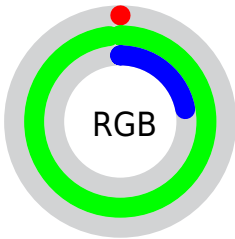
Format	Color
RYB	0, 204, 250
Decimal	64056
CIELab	86.33, -83.06, 72.81
CIELCh	86, 110.454, 138.763
Yxy	68.6567, 0.2940, 0.5784
Android (android.graphics.Color)	4278254136 (0xFF00FA38)
YUV	153.1340, -47.8871, -134.2985
Hunter-Lab	82.8593, -69.8245, 47.1636

Details

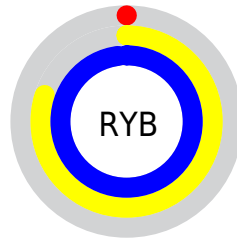
The Yxy color **68.6567, 0.2940, 0.5784** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **24.2227, 0.3885, 0.1914**, and the grayscale version is **32.1564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5863, 0.3045, 0.5036**, and **37.6993, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **68.6596, 0.2940, 0.5784**, and if you desaturate by 10%, it is **69.0941, 0.2913, 0.5611**.

Distribution



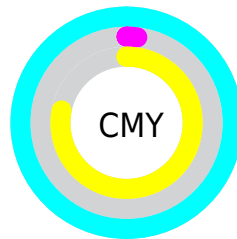
- Red (0%)
- Green (98%)
- Blue (22%)



- Red (0%)
- Yellow (80%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (2%)



- Cyan (100%)
- Magenta (2%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6567, 0.2940, 0.5784 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 68.6567, 0.2940, 0.5784 by changing the saturation by 10% instead.

 68.6567, 0.2940,
0.5784


 68.6567, 0.2940,
0.5784


455.8192, 0.3133,
0.4525


 50.4322, 0.2863,
0.6079


 117.2911, 0.3033,
0.5336

 35.7569, 0.2750,
0.6439


 148.4698, 0.3061,
0.5164


 24.2465, 0.2581,
0.6879


 184.7353, 0.3082,
0.5017

 15.5166, 0.2330,
0.7433

 226.4720, 0.3098,
0.4891

 9.1827, 0.1933,
0.8067

 274.0644, 0.3111,
0.4781

 4.8606, 0.1326,
0.8674


327.8968, 0.3120,

 2.1657, 0.0000,

0.4685

1.0000

388.3536, 0.3127,
0.4600


 0.7012, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 68.6567, 0.2940,
0.5784


 68.6567, 0.2940,
0.5784


 68.6596, 0.2940,
0.5784


 69.0941, 0.2913,
0.5611


 69.8745, 0.2896,
0.5387

 71.0891, 0.2892,
0.5122

 72.7933, 0.2902,
0.4832

 75.0339, 0.2924,
0.4534

 77.8522, 0.2956,
0.4243

 81.2853, 0.2995,
0.3968

 85.3674, 0.3038,
0.3716

 90.1298, 0.3083,
0.3490

Harmonies

Analogous

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



68.6567, 0.4077, 0.5518



68.6567, 0.2940, 0.5784



68.6567, 0.1902, 0.4662

Triad

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



68.6567, 0.2940, 0.5784



68.6567, 0.1279, 0.1563



68.6567, 0.5365, 0.2981

Complementary

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



68.6567, 0.2940, 0.5784



24.2227, 0.3885, 0.1914

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.



68.6567, 0.4199, 0.2286



68.6567, 0.2940, 0.5784



68.6567, 0.1817, 0.1515

Square

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



68.6567, 0.2940, 0.5784



68.6567, 0.1103, 0.1993



68.6567, 0.2816, 0.1765



68.6567, 0.5641, 0.3753

Rectangle

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



68.6567, 0.2940, 0.5784



68.6567, 0.1428, 0.3526



68.6567, 0.2816, 0.1765



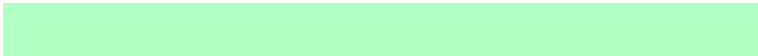
68.6567, 0.5054, 0.2739

Sweetspot

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



68.6596, 0.2940, 0.5784



85.0124, 0.2995, 0.3969



80.0886, 0.3808, 0.5359



17.8546, 0.2978, 0.4082



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.



68.6596, 0.2940, 0.5784



71.8161, 0.2940, 0.5785



71.6361, 0.2516, 0.4256



19.3728, 0.3085, 0.3479



36.4351, 0.2933, 0.5760



3.3898, 0.2874, 0.5545

Inverse Universe

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



24.2227, 0.3885, 0.1914



25.3342, 0.3886, 0.1915



20.7778, 0.5866, 0.3005



17.4542, 0.3172, 0.3108



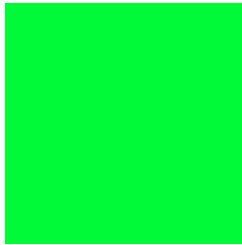
12.8705, 0.3872, 0.1907



1.2078, 0.3776, 0.1854

Previews

White Background



This preview shows how the Yxy color 68.6567, 0.2940, 0.5784 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 68.6567, 0.2940, 0.5784 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

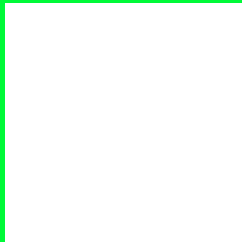
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.6567, 0.2940, 0.5784

Background



This preview shows how black text looks on a background with the Yxy color 68.6567, 0.2940, 0.5784.

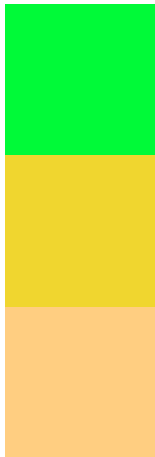


This preview shows how white text looks on a background with the Yxy color 68.6567, 0.2940, 0.5784.

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

68.6567, 0.2940, 0.5784

Protanopia

66.8236, 0.4330, 0.4783

Deuteranopia

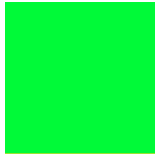
66.9876, 0.4092, 0.4074



Tritanopia

68.1897, 0.2345, 0.3058

Trichromacy



Original Color

68.6567, 0.2940, 0.5784



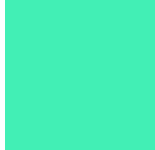
Protanomaly

61.9408, 0.3552, 0.5343



Deuteranomaly

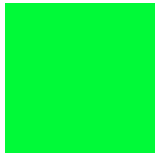
60.8832, 0.3437, 0.4819



Tritanomaly

66.2275, 0.2559, 0.4088

Monochromacy



Original Color

68.6567, 0.2940, 0.5784



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

39.8158, 0.2927, 0.4452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6567, 0.2940, 0.5784 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 56)  
}
```

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, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 56) }
```

Border

The CSS property to change the border of an element to Yxy 68.6567, 0.2940, 0.5784 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, 56) }
```

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

```
.border{ border-color:rgb(0, 250, 56) }
```

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, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 56);  
box-shadow:4px 4px 4px 4px rgb(0, 250, 56)  
}
```


Background

The CSS property to change the background color of an element to Yxy 68.6567, 0.2940, 0.5784 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, 56) }
```

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

```
.background{ background-color: rgb(0, 250,  
56) }
```

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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