

Converting Colors

$Y_{xy}(75.5079, 0.3271, 0.5666)$

Have a look what the booklet for
Yxy(75.5079, 0.3271, 0.5666)
contains.

Yxy(75.5180, 0.3270, 0.5665)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.5180, 0.3270, 0.5665)

Conversions

Conversions Part 1

Format	Color
Hex	76FF27
RGB	118, 255, 39
RGB Percent	46%, 100%, 15%
CMY	0.5375, 0.0000, 0.8471
CMYK	0.54, 0.00, 0.85, 0.00
HSL	98°, 100%, 58%
HSV	98°, 85%, 100%
XYZ	43.5911, 75.5180, 14.1971
YIQ	189.4130, -12.3160, -96.2200

Conversions

Conversions Part 2

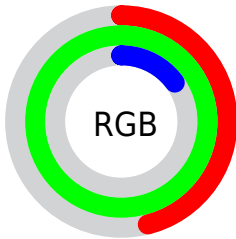
Format	Color
R_{YB}	39, 255, 176
Decimal	7798567
CIE _{Lab}	89.64, -69.74, 80.71
CIE _{LCh}	90, 106.666, 130.827
Yxy	75.5180, 0.3270, 0.5665
Android (android.graphics.Color)	4285988647 (0xFF76FF27)
YUV	189.4130, -74.1536, -62.6292
Hunter-Lab	86.9011, -62.5381, 51.1445

Details

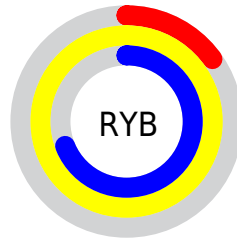
The Yxy color **75.5180, 0.3270, 0.5665** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **17.9079, 0.2434, 0.1188**, and the grayscale version is **51.5655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4053, 0.3448, 0.4944**, and **40.4039, 0.3071, 0.5943** is the 20% darker color. If you saturate the color by 10%, you get **74.3611, 0.3220, 0.5799**, and if you desaturate by 10%, it is **76.9741, 0.3305, 0.5465**.

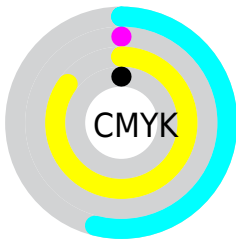
Distribution



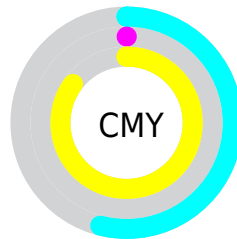
- Red (46%)
- Green (100%)
- Blue (15%)



- Red (15%)
- Yellow (100%)
- Blue (69%)



- Cyan (54%)
- Magenta (0%)
- Yellow (85%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.5180, 0.3270, 0.5665 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 75.5180, 0.3270, 0.5665 by changing the saturation by 10% instead.


 75.5180, 0.3270,
0.5665


 75.5180, 0.3270,
0.5665


479.6961, 0.3315,
0.4519


 56.0374, 0.3226,
0.5917


 127.0453, 0.3313,
0.5270


 40.2329, 0.3153,
0.6217


 159.8608, 0.3321,
0.5115


 27.7202, 0.3034,
0.6571


 197.8901, 0.3325,
0.4981

 18.1148, 0.2853,
0.7016

 241.5174, 0.3326,
0.4864

 11.0325, 0.2532,
0.7468

 291.1273, 0.3325,
0.4761

 6.0887, 0.2036,
0.7964


347.1041, 0.3322,


 2.8991, 0.1115,


0.4671


0.8885


409.8323, 0.3319,
0.4591


 1.0793, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000

 75.5180, 0.3270,
0.5665


 75.5180, 0.3270,
0.5665


 74.3611, 0.3220,
0.5799


 76.9741, 0.3305,
0.5465

 73.8573, 0.3191,
0.5849


 78.7708, 0.3322,
0.5208


 80.9284, 0.3321,
0.4912

 83.4689, 0.3304,
0.4596

 86.4121, 0.3275,
0.4275

 89.7763, 0.3238,
0.3965

 93.5786, 0.3195,
0.3674

 97.8351, 0.3149,
0.3407

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



75.5180, 0.4339, 0.5225



75.5180, 0.3270, 0.5665



75.5180, 0.2219, 0.4944

Triad

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



75.5180, 0.3270, 0.5665



75.5180, 0.1283, 0.1716



75.5180, 0.5002, 0.2828

Complementary

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



75.5180, 0.3270, 0.5665



17.9079, 0.2434, 0.1188

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.



75.5180, 0.3783, 0.2185



75.5180, 0.3270, 0.5665



75.5180, 0.1707, 0.1578

Square

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



75.5180, 0.3270, 0.5665



75.5180, 0.1201, 0.2268



75.5180, 0.2544, 0.1745



75.5180, 0.5525, 0.3563

Rectangle

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



75.5180, 0.3270, 0.5665



75.5180, 0.1678, 0.3932



75.5180, 0.2544, 0.1745



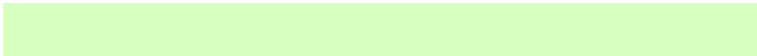
75.5180, 0.4643, 0.2598

Sweetspot

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



75.5138, 0.3270, 0.5665



89.6714, 0.3239, 0.3974



52.3785, 0.4818, 0.4420



18.9308, 0.3253, 0.4081



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.



75.5138, 0.3270, 0.5665



73.8573, 0.3191, 0.5849



72.3662, 0.2953, 0.5679



20.4913, 0.3171, 0.3532



38.6689, 0.3202, 0.5840



3.8244, 0.3289, 0.5771

Inverse Universe

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



17.9079, 0.2434, 0.1188



14.8811, 0.2293, 0.1037



28.2129, 0.3515, 0.1780



17.9491, 0.3079, 0.3052



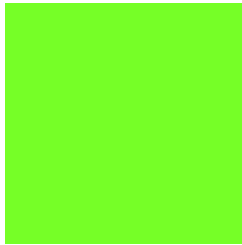
7.8632, 0.2307, 0.1045



0.8275, 0.2410, 0.1101

Previews

White Background



This preview shows how the Yxy color 75.5180, 0.3270, 0.5665 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 75.5180, 0.3270, 0.5665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

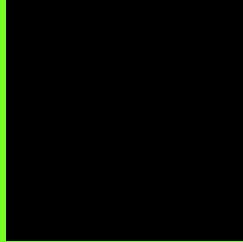
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

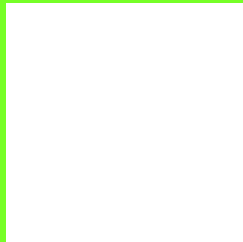
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.5180, 0.3270, 0.5665

Background



This preview shows how black text looks on a background with the Yxy color 75.5180, 0.3270, 0.5665.

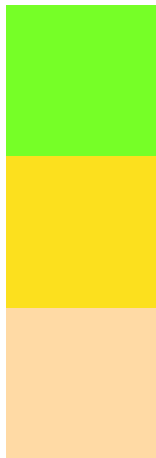


This preview shows how white text looks on a background with the Yxy color 75.5180, 0.3270, 0.5665.

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

75.5180, 0.3270, 0.5665

Protanopia

74.1005, 0.4378, 0.4839

Deuteranopia

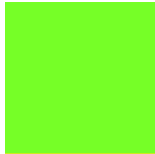
74.1194, 0.3782, 0.3835



Tritanopia

75.0575, 0.2566, 0.3085

Trichromacy



Original Color

75.5180, 0.3270, 0.5665



Protanomaly

72.2230, 0.3919, 0.5183



Deuteranomaly

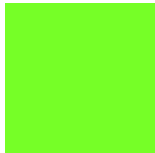
71.4629, 0.3641, 0.4558



Tritanomaly

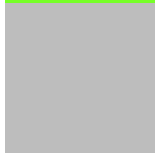
73.6756, 0.2898, 0.4144

Monochromacy



Original Color

75.5180, 0.3270, 0.5665



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

57.0963, 0.3283, 0.4339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.5180, 0.3270, 0.5665 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(118, 255, 39)` looks like.

```
.text, #text, p{  
    color:rgb(118, 255, 39)  
}
```

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(118, 255, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 255, 39) }
```

Border

The CSS property to change the border of an element to Yxy 75.5180, 0.3270, 0.5665 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(118, 255, 39) }
```

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

```
.border{ border-color:rgb(118, 255, 39) }
```

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

Here you see how a box with a 4 pixel rgb(118, 255, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 255, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 255, 39);  
box-shadow:4px 4px 4px 4px rgb(118, 255,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 75.5180, 0.3270, 0.5665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 255, 39) }
```

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

```
.background{ background-color: rgb(118,  
255, 39) }
```

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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