

Converting Colors

$Y_{xy}(75.4601, 0.3250, 0.5636)$

Have a look what the booklet for
Yxy(75.4601, 0.3250, 0.5636)
contains.

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Color

Yxy(75.4382, 0.3248, 0.5635)

Conversions

Conversions Part 1

Format	Color
Hex	74FF2F
RGB	116, 255, 47
RGB Percent	45%, 100%, 18%
CMY	0.5448, 0.0000, 0.8158
CMYK	0.54, 0.00, 0.82, 0.00
HSL	100°, 100%, 59%
HSV	100°, 82%, 100%
XYZ	43.4824, 75.4382, 14.9538
YIQ	189.7270, -16.0760, -94.1560

Conversions

Conversions Part 2

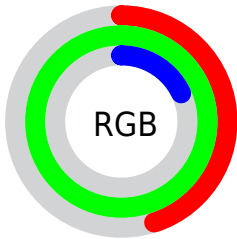
Format	Color
RYB	47, 255, 186
Decimal	7667503
CIELab	89.60, -69.90, 78.88
CIELCh	90, 105.391, 131.545
Yxy	75.4382, 0.3248, 0.5635
Android (android.graphics.Color)	4285857583 (0xFF74FF2F)
YUV	189.7270, -70.3644, -64.6586
Hunter-Lab	86.8552, -62.6339, 50.5907

Details

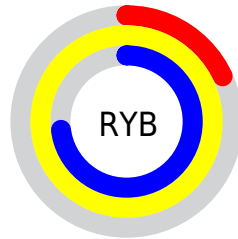
The Yxy color **75.4382, 0.3248, 0.5635** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **19.6748, 0.2530, 0.1267**, and the grayscale version is **51.7572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3932, 0.3421, 0.4901**, and **40.3446, 0.3063, 0.5950** is the 20% darker color. If you saturate the color by 10%, you get **74.2295, 0.3203, 0.5791**, and if you desaturate by 10%, it is **76.9873, 0.3279, 0.5413**.

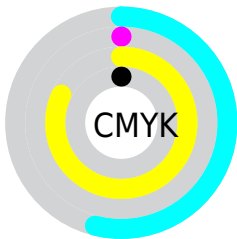
Distribution



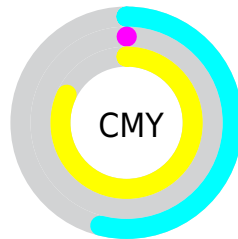
- Red (45%)
- Green (100%)
- Blue (18%)



- Red (18%)
- Yellow (100%)
- Blue (73%)



- Cyan (54%)
- Magenta (0%)
- Yellow (82%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.4382, 0.3248, 0.5635 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 75.4382, 0.3248, 0.5635 by changing the saturation by 10% instead.


 75.4382, 0.3248,
0.5635


 75.4382, 0.3248,
0.5635


479.4224, 0.3298,
0.4499


 55.9720, 0.3204,
0.5887


 126.9325, 0.3291,
0.5242


 40.1804, 0.3132,
0.6188


 159.7293, 0.3300,
0.5088


 27.6793, 0.3015,
0.6546


 197.7384, 0.3305,
0.4955

 18.0840, 0.2833,
0.6987

 241.3442, 0.3306,
0.4840

 11.0103, 0.2525,
0.7475

 290.9311, 0.3306,
0.4738

 6.0738, 0.2027,
0.7973


346.8835, 0.3304,

 2.8900, 0.1096,


0.4649


0.8904


409.5858, 0.3302,
0.4570


 1.0746, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.4382, 0.3248,
0.5635


 75.4382, 0.3248,
0.5635

 74.2295, 0.3203,
0.5791

 76.9873, 0.3279,
0.5413

 73.4361, 0.3158,
0.5874

 78.8960, 0.3293,
0.5137

 81.1930, 0.3290,
0.4828

 83.9008, 0.3274,
0.4504

87.0401, 0.3247,
0.4182

90.6301, 0.3213,
0.3874

94.6887, 0.3174,
0.3588

99.2330, 0.3134,
0.3329

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



75.4382, 0.4310, 0.5228



75.4382, 0.3248, 0.5635



75.4382, 0.2209, 0.4890

Triad

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



75.4382, 0.3248, 0.5635



75.4382, 0.1303, 0.1723



75.4382, 0.5004, 0.2851

Complementary

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



75.4382, 0.3248, 0.5635



19.6748, 0.2530, 0.1267

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.



75.4382, 0.3808, 0.2208



75.4382, 0.3248, 0.5635



75.4382, 0.1734, 0.1592

Square

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



75.4382, 0.3248, 0.5635



75.4382, 0.1214, 0.2261



75.4382, 0.2576, 0.1765



75.4382, 0.5503, 0.3584

Rectangle

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



75.4382, 0.3248, 0.5635



75.4382, 0.1677, 0.3888



75.4382, 0.2576, 0.1765



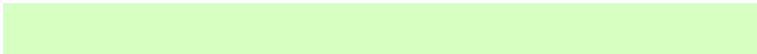
75.4382, 0.4654, 0.2622

Sweetspot

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



75.4414, 0.3248, 0.5635



89.7220, 0.3222, 0.3946



56.4363, 0.4697, 0.4474



18.9276, 0.3234, 0.4056



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.



75.4414, 0.3248, 0.5635



73.6118, 0.3168, 0.5857



72.7254, 0.2932, 0.5548



20.4612, 0.3166, 0.3532



38.4452, 0.3169, 0.5866



3.8000, 0.3254, 0.5798

Inverse Universe

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



19.6748, 0.2530, 0.1267



16.0990, 0.2387, 0.1095



28.4743, 0.3580, 0.1846



17.9804, 0.3084, 0.3052



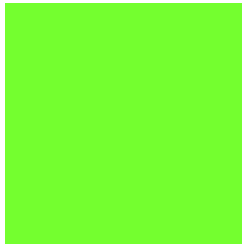
8.3396, 0.2384, 0.1087



0.8717, 0.2479, 0.1139

Previews

White Background



This preview shows how the Yxy color 75.4382, 0.3248, 0.5635 looks on a white background.

Color Contrast Check

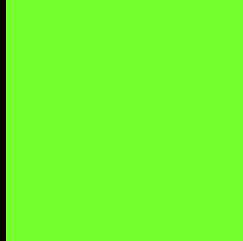
Large Text (above 18pt) WCAG AA × Fail

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 75.4382, 0.3248, 0.5635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

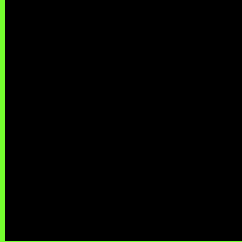
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

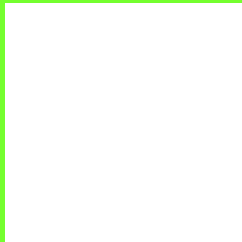
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.4382, 0.3248, 0.5635

Background



This preview shows how black text looks on a background with the Yxy color 75.4382, 0.3248, 0.5635.

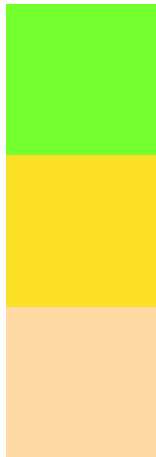


This preview shows how white text looks on a background with the Yxy color 75.4382, 0.3248, 0.5635.

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

75.4382, 0.3248, 0.5635

Protanopia

74.1532, 0.4361, 0.4815

Deuteranopia

74.1194, 0.3782, 0.3835



Tritanopia

74.9565, 0.2561, 0.3085

Trichromacy



Original Color

75.4382, 0.3248, 0.5635



Protanomaly

72.2803, 0.3903, 0.5152



Deuteranomaly

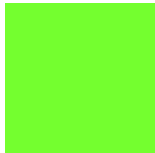
71.3943, 0.3617, 0.4531



Tritanomaly

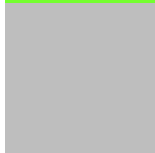
73.7068, 0.2877, 0.4106

Monochromacy



Original Color

75.4382, 0.3248, 0.5635



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

57.7146, 0.3256, 0.4296

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.4382, 0.3248, 0.5635 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(116, 255, 47)` looks like.

```
.text, #text, p{  
    color:rgb(116, 255, 47)  
}
```

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(116, 255, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 255, 47) }
```

Border

The CSS property to change the border of an element to Yxy 75.4382, 0.3248, 0.5635 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(116, 255, 47) }
```

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

```
.border{ border-color:rgb(116, 255, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 255, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 255, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 255, 47);  
box-shadow:4px 4px 4px 4px rgb(116, 255,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4382, 0.3248, 0.5635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 255, 47) }
```

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

```
.background{ background-color: rgb(116,  
255, 47) }
```

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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