

Converting Colors

$Y_{xy}(75.3667, 0.3301, 0.5755)$

Have a look what the booklet for
Yxy(75.3667, 0.3301, 0.5755)
contains.

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Color

Yxy(75.3781, 0.3302, 0.5755)

Conversions

Conversions Part 1

Format	Color
Hex	76FF03
RGB	118, 255, 3
RGB Percent	46%, 100%, 1%
CMY	0.5372, 0.0000, 0.9887
CMYK	0.54, 0.00, 0.99, 0.00
HSL	93°, 100%, 51%
HSV	93°, 99%, 100%
XYZ	43.2491, 75.3781, 12.3513
YIQ	185.3090, -0.7600, -107.4160

Conversions

Conversions Part 2

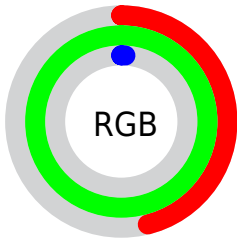
Format	Color
R_{YB}	3, 255, 140
Decimal	7798531
CIE _{Lab}	89.57, -70.47, 85.20
CIE _{LCh}	90, 110.565, 129.593
Yxy	75.3781, 0.3302, 0.5755
Android (android.graphics.Color)	4285988611 (0xFF76FF03)
YUV	185.3090, -89.8783, -59.0300
Hunter-Lab	86.8206, -63.0174, 52.3397

Details

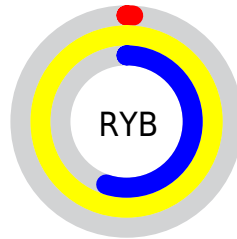
The Yxy color **75.3781, 0.3302, 0.5755** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **12.8447, 0.2103, 0.0936**, and the grayscale version is **49.2036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2732, 0.3505, 0.5053**, and **40.3836, 0.3068, 0.5946** is the 20% darker color. If you saturate the color by 10%, you get **75.2647, 0.3296, 0.5765**, and if you desaturate by 10%, it is **76.5011, 0.3357, 0.5647**.

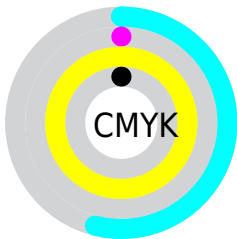
Distribution



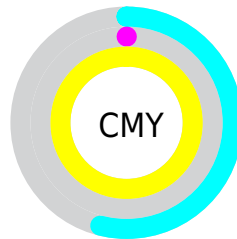
- Red (46%)
- Green (100%)
- Blue (1%)



- Red (1%)
- Yellow (100%)
- Blue (55%)



- Cyan (54%)
- Magenta (0%)
- Yellow (99%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 75.3781, 0.3302, 0.5755 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 75.3781, 0.3302, 0.5755 by changing the saturation by 10% instead.


 75.3781, 0.3302,
0.5755

 75.3781, 0.3302,
0.5755


 479.2161, 0.3346,
0.4575

 55.9227, 0.3254,
0.6010


 126.8474, 0.3348,
0.5352

 40.1410, 0.3174,
0.6308


 159.6302, 0.3357,
0.5192


 27.6485, 0.3044,
0.6655


 197.6241, 0.3360,
0.5054

 18.0608, 0.2866,
0.7127

 241.2137, 0.3360,
0.4933

 10.9937, 0.2505,
0.7495

 290.7833, 0.3359,
0.4827

 6.0626, 0.2004,
0.7996


 346.7173, 0.3355,

 2.8832, 0.1052,


0.4733


0.8948

409.4001, 0.3351,
0.4649


 1.0710, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.3781, 0.3302,
0.5755

 75.3781, 0.3302,
0.5755


 75.2647, 0.3296,
0.5765


 76.5011, 0.3357,
0.5647


 77.8713, 0.3395,
0.5481


 79.5206, 0.3412,
0.5259

 81.4714, 0.3408,
0.4991

 83.7431, 0.3385,
0.4695

 86.3534, 0.3347,
0.4387

 89.3182, 0.3298,
0.4082

 92.6523, 0.3241,
0.3788

 96.3697, 0.3181,
0.3514

Harmonies

Analogous

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



75.3781, 0.4396, 0.5236



75.3781, 0.3302, 0.5755



75.3781, 0.2221, 0.5074

Triad

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



75.3781, 0.3302, 0.5755



75.3781, 0.1228, 0.1684



75.3781, 0.5028, 0.2777

Complementary

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



75.3781, 0.3302, 0.5755



12.8447, 0.2103, 0.0936

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.



75.3781, 0.3745, 0.2129



75.3781, 0.3302, 0.5755



75.3781, 0.1642, 0.1533

Square

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



75.3781, 0.3302, 0.5755



75.3781, 0.1155, 0.2264



75.3781, 0.2477, 0.1692



75.3781, 0.5598, 0.3520

Rectangle

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



75.3781, 0.3302, 0.5755



75.3781, 0.1658, 0.4021



75.3781, 0.2477, 0.1692



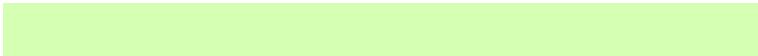
75.3781, 0.4646, 0.2546

Sweetspot

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



75.3793, 0.3302, 0.5755



88.9663, 0.3304, 0.4116



39.2543, 0.5317, 0.4153



18.7691, 0.3325, 0.4244



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.



75.3793, 0.3302, 0.5755



75.2647, 0.3296, 0.5765



71.5633, 0.2996, 0.5980



20.5744, 0.3185, 0.3531



39.4137, 0.3307, 0.5756



3.9016, 0.3395, 0.5686

Inverse Universe

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



12.8447, 0.2103, 0.0936



12.6693, 0.2092, 0.0926



28.0128, 0.3295, 0.1591



17.8639, 0.3064, 0.3050



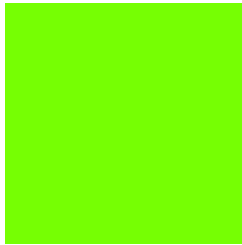
6.7099, 0.2108, 0.0935



0.7183, 0.2226, 0.1000

Previews

White Background



This preview shows how the Yxy color 75.3781, 0.3302, 0.5755 looks on a white background.

Color Contrast Check

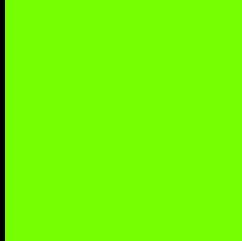
Large Text (above 18pt) WCAG AA × Fail

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 75.3781, 0.3302, 0.5755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

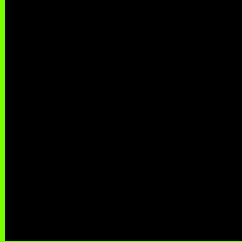
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

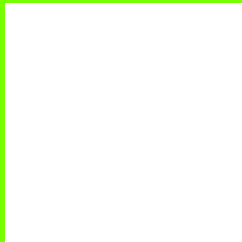
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.3781, 0.3302, 0.5755

Background



This preview shows how black text looks on a background with the Yxy color 75.3781, 0.3302, 0.5755.



This preview shows how white text looks on a background with the Yxy color 75.3781, 0.3302, 0.5755.

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

75.3781, 0.3302, 0.5755

Protanopia

74.0068, 0.4407, 0.4883

Deuteranopia

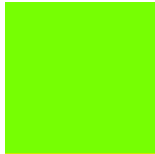
74.0831, 0.3790, 0.3845



Tritanopia

75.0575, 0.2566, 0.3085

Trichromacy



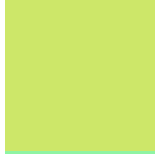
Original Color

75.3781, 0.3302, 0.5755



Protanomaly

72.1154, 0.3951, 0.5243



Deuteranomaly

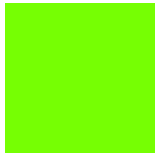
71.1509, 0.3714, 0.4694



Tritanomaly

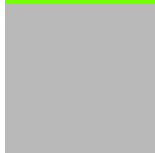
73.1854, 0.2965, 0.4315

Monochromacy



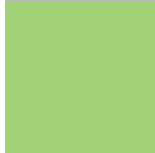
Original Color

75.3781, 0.3302, 0.5755



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

55.0022, 0.3367, 0.4509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.3781, 0.3302, 0.5755 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, 3)` looks like.

```
.text, #text, p{  
    color:rgb(118, 255, 3)  
}
```

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, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 255, 3) }
```

Border

The CSS property to change the border of an element to Yxy 75.3781, 0.3302, 0.5755 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, 3) }
```

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

```
.border{ border-color:rgb(118, 255, 3) }
```

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, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 255, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 255, 3);  
box-shadow:4px 4px 4px 4px rgb(118, 255,  
3) }
```


Background

The CSS property to change the background color of an element to Yxy 75.3781, 0.3302, 0.5755 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, 3) }
```

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

```
.background{ background-color: rgb(118,  
255, 3) }
```

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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