

Converting Colors

$Y_{xy}(75.8216, 0.3335, 0.5734)$

Have a look what the booklet for
Yxy(75.8216, 0.3335, 0.5734)
contains.

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Color

Yxy(75.8051, 0.3334, 0.5735)

Conversions

Conversions Part 1

Format	Color
Hex	7CFF00
RGB	124, 255, 0
RGB Percent	49%, 100%, 0%
CMY	0.5138, 0.0000, 1.0000
CMYK	0.51, 0.00, 1.00, 0.00
HSL	91°, 100%, 50%
HSV	91°, 100%, 100%
XYZ	44.0687, 75.8051, 12.3059
YIQ	186.7610, 3.7790, -107.0770

Conversions

Conversions Part 2

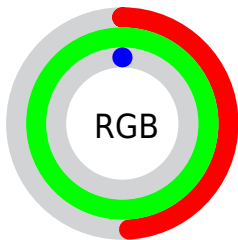
Format	Color
RYB	0, 255, 131
Decimal	8191744
CIELab	89.77, -68.91, 85.66
CIELCh	90, 109.939, 128.814
Yxy	75.8051, 0.3334, 0.5735
Android (android.graphics.Color)	4286381824 (0xFF7CFF00)
YUV	186.7610, -92.0732, -55.0414
Hunter-Lab	87.0661, -62.0175, 52.5662

Details

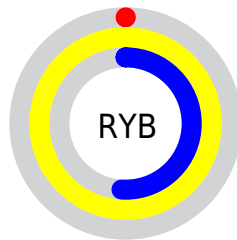
The Yxy color **75.8051, 0.3334, 0.5735** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **12.0475, 0.2031, 0.0893**, and the grayscale version is **50.0748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8751, 0.3542, 0.5041**, and **40.6363, 0.3106, 0.5916** is the 20% darker color. If you saturate the color by 10%, you get **75.8030, 0.3334, 0.5735**, and if you desaturate by 10%, it is **76.9171, 0.3389, 0.5633**.

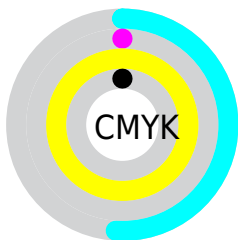
Distribution



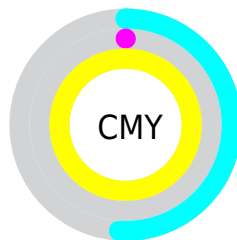
- Red (49%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (51%)



- Cyan (51%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8051, 0.3334, 0.5735 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 75.8051, 0.3334, 0.5735 by changing the saturation by 10% instead.


 75.8051, 0.3334,
0.5735

 75.8051, 0.3334,
0.5735

480.6803, 0.3364,
0.4569

 56.2727, 0.3289,
0.5985


 127.4514, 0.3375,
0.5338


 40.4216, 0.3213,
0.6278


 160.3340, 0.3381,
0.5181

 27.8674, 0.3089,
0.6617


 198.4356, 0.3383,
0.5044

 18.2257, 0.2918,
0.7078

 242.1404, 0.3382,
0.4924

 11.1122, 0.2565,
0.7435

 291.8329, 0.3379,
0.4819

 6.1423, 0.2075,
0.7925


 347.8974, 0.3374,

 2.9318, 0.1195,


0.4726


0.8805


410.7184, 0.3369,
0.4643


 1.0962, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.8051, 0.3334,
0.5735


 75.8051, 0.3334,
0.5735


 75.8030, 0.3334,
0.5735


 76.9171, 0.3389,
0.5633


 78.2599, 0.3427,
0.5477


 79.8649, 0.3444,
0.5265


 81.7541, 0.3439,
0.5007

 83.9465, 0.3413,
0.4718

 86.4588, 0.3372,
0.4415

 89.3065, 0.3318,
0.4112

 92.5038, 0.3257,
0.3819

 96.0642, 0.3193,
0.3544

Harmonies

Analogous

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



75.8051, 0.4420, 0.5206



75.8051, 0.3334, 0.5735



75.8051, 0.2254, 0.5093

Triad

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



75.8051, 0.3334, 0.5735



75.8051, 0.1231, 0.1703



75.8051, 0.4987, 0.2763

Complementary

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



75.8051, 0.3334, 0.5735



12.0475, 0.2031, 0.0893

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.



75.8051, 0.3706, 0.2122



75.8051, 0.3334, 0.5735



75.8051, 0.1634, 0.1542

Square

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



75.8051, 0.3334, 0.5735



75.8051, 0.1168, 0.2295



75.8051, 0.2455, 0.1693



75.8051, 0.5580, 0.3502

Rectangle

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



75.8051, 0.3334, 0.5735



75.8051, 0.1686, 0.4058



75.8051, 0.2455, 0.1693



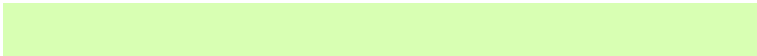
75.8051, 0.4603, 0.2534

Sweetspot

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



75.8030, 0.3334, 0.5735



89.3065, 0.3318, 0.4112



36.5682, 0.5436, 0.4066



18.8493, 0.3342, 0.4239



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.



75.8030, 0.3334, 0.5735



71.5200, 0.3000, 0.6000



20.6015, 0.3190, 0.3530



39.6968, 0.3346, 0.5725



3.9299, 0.3432, 0.5657

Inverse Universe

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



12.0475, 0.2031, 0.0893



28.4800, 0.3209, 0.1542



17.8367, 0.3060, 0.3050



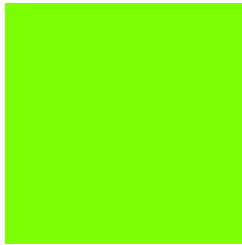
6.3844, 0.2048, 0.0902



0.6867, 0.2169, 0.0969

Previews

White Background



This preview shows how the Yxy color 75.8051, 0.3334, 0.5735 looks on a white background.

Color Contrast Check

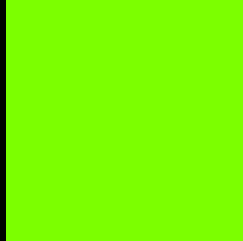
Large Text (above 18pt) WCAG AA × Fail

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 75.8051, 0.3334, 0.5735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

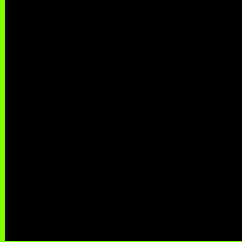
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

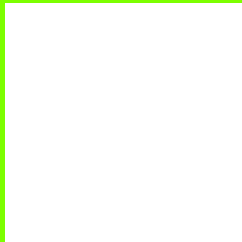
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.8051, 0.3334, 0.5735

Background



This preview shows how black text looks on a background with the Yxy color 75.8051, 0.3334, 0.5735.



This preview shows how white text looks on a background with the Yxy color 75.8051, 0.3334, 0.5735.

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

75.8051, 0.3334, 0.5735

Protanopia

74.7331, 0.4406, 0.4883

Deuteranopia

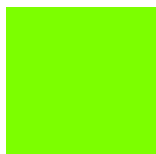
74.1560, 0.3775, 0.3825



Tritanopia

75.4698, 0.2586, 0.3086

Trichromacy



Original Color

75.8051, 0.3334, 0.5735



Protanomaly

73.1127, 0.3968, 0.5232



Deuteranomaly

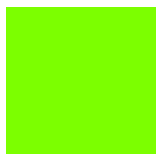
71.4578, 0.3725, 0.4677



Tritanomaly

73.6059, 0.2998, 0.4320

Monochromacy



Original Color

75.8051, 0.3334, 0.5735



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

56.3114, 0.3386, 0.4520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8051, 0.3334, 0.5735 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(124, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(124, 255, 0)  
}
```

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(124, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 75.8051, 0.3334, 0.5735 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(124, 255, 0) }
```

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

```
.border{ border-color:rgb(124, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(124, 255,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 75.8051, 0.3334, 0.5735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 255, 0) }
```

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

```
.background{ background-color: rgb(124,  
255, 0) }
```

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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