

Converting Colors

$Y_{xy}(75.5699, 0.3313, 0.5738)$

Have a look what the booklet for
Yxy(75.5699, 0.3313, 0.5738)
contains.

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Color

Yxy(75.6003, 0.3315, 0.5737)

Conversions

Conversions Part 1

Format	Color
Hex	79FF07
RGB	121, 255, 7
RGB Percent	47%, 100%, 3%
CMY	0.5255, 0.0000, 0.9722
CMYK	0.53, 0.00, 0.97, 0.00
HSL	92°, 100%, 51%
HSV	92°, 97%, 100%
XYZ	43.6840, 75.6003, 12.4924
YIQ	186.6620, -0.2560, -105.5360

Conversions

Conversions Part 2

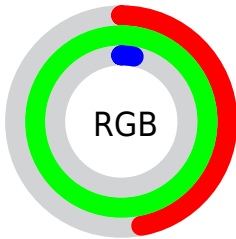
Format	Color
RYB	7, 255, 141
Decimal	7995143
CIELab	89.67, -69.63, 85.01
CIELCh	90, 109.887, 129.319
Yxy	75.6003, 0.3315, 0.5737
Android (android.graphics.Color)	4286185223 (0xFF79FF07)
YUV	186.6620, -88.5734, -57.5856
Hunter-Lab	86.9484, -62.4791, 52.3453

Details

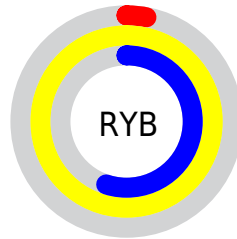
The Yxy color **75.6003, 0.3315, 0.5737** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **13.0445, 0.2114, 0.0947**, and the grayscale version is **50.0087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6605, 0.3522, 0.5033**, and **40.5133, 0.3088, 0.5930** is the 20% darker color. If you saturate the color by 10%, you get **75.3136, 0.3299, 0.5762**, and if you desaturate by 10%, it is **76.7606, 0.3368, 0.5622**.

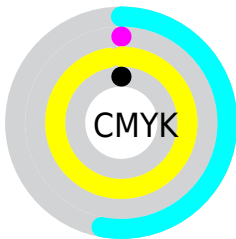
Distribution



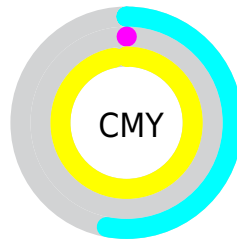
- Red (47%)
- Green (100%)
- Blue (3%)



- Red (3%)
- Yellow (100%)
- Blue (55%)



- Cyan (53%)
- Magenta (0%)
- Yellow (97%)
- Black (0%)



- Cyan (53%)
- Magenta (0%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.6003, 0.3315, 0.5737 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 75.6003, 0.3315, 0.5737 by changing the saturation by 10% instead.


 75.6003, 0.3315,
0.5737

 75.6003, 0.3315,
0.5737

479.9783, 0.3352,
0.4567

 56.1048, 0.3269,
0.5989


 127.1618, 0.3358,
0.5338

 40.2870, 0.3192,
0.6285


 159.9965, 0.3366,
0.5180

 27.7624, 0.3066,
0.6629


 198.0465, 0.3368,
0.5042


 18.1466, 0.2890,
0.7093

 241.6961, 0.3368,
0.4922

 11.0553, 0.2537,
0.7463

 291.3296, 0.3366,
0.4817

 6.1040, 0.2042,
0.7958


 347.3316, 0.3362,

 2.9084, 0.1130,


0.4724

0.8870


410.0864, 0.3357,
0.4641


 1.0841, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.6003, 0.3315,
0.5737


 75.6003, 0.3315,
0.5737

 75.3136, 0.3299,
0.5762

 76.7606, 0.3368,
0.5622

 78.1754, 0.3402,
0.5446

 79.8719, 0.3416,
0.5215

 81.8719, 0.3408,
0.4942

■ 84.1943, 0.3382,
0.4644

■ 86.8563, 0.3341,
0.4336

■ 89.8737, 0.3290,
0.4032

■ 93.2611, 0.3232,
0.3741

■ 97.0320, 0.3171,
0.3471

Harmonies

Analogous

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



75.6003, 0.4403, 0.5220



75.6003, 0.3315, 0.5737



75.6003, 0.2238, 0.5071

Triad

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



75.6003, 0.3315, 0.5737



75.6003, 0.1234, 0.1696



75.6003, 0.5005, 0.2775

Complementary

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



75.6003, 0.3315, 0.5737



13.0445, 0.2114, 0.0947

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.



75.6003, 0.3729, 0.2131



75.6003, 0.3315, 0.5737



75.6003, 0.1644, 0.1542

Square

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



75.6003, 0.3315, 0.5737



75.6003, 0.1166, 0.2280



75.6003, 0.2472, 0.1697



75.6003, 0.5582, 0.3515

Rectangle

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



75.6003, 0.3315, 0.5737



75.6003, 0.1674, 0.4031



75.6003, 0.2472, 0.1697



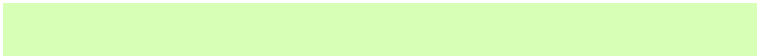
75.6003, 0.4625, 0.2545

Sweetspot

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



75.6006, 0.3315, 0.5737



89.3097, 0.3300, 0.4085



39.8305, 0.5288, 0.4166



18.8369, 0.3322, 0.4214



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.



75.6006, 0.3315, 0.5737



75.3136, 0.3299, 0.5762



71.6013, 0.2997, 0.5970



20.5770, 0.3185, 0.3531



39.4394, 0.3311, 0.5753



3.9041, 0.3398, 0.5684

Inverse Universe

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



13.0445, 0.2114, 0.0947



12.6089, 0.2086, 0.0923



28.1131, 0.3293, 0.1594



17.8614, 0.3064, 0.3050



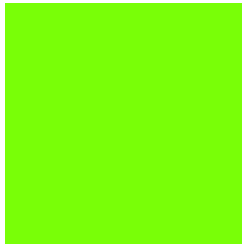
6.6783, 0.2102, 0.0932



0.7152, 0.2220, 0.0997

Previews

White Background



This preview shows how the Yxy color 75.6003, 0.3315, 0.5737 looks on a white background.

Color Contrast Check

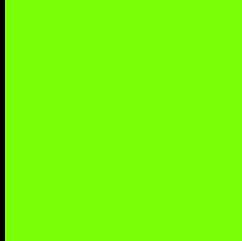
Large Text (above 18pt) WCAG AA × Fail

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 75.6003, 0.3315, 0.5737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

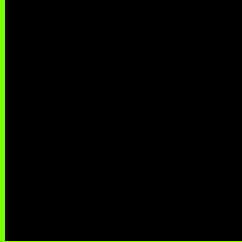
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

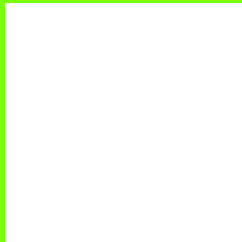
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.6003, 0.3315, 0.5737

Background



This preview shows how black text looks on a background with the Yxy color 75.6003, 0.3315, 0.5737.



This preview shows how white text looks on a background with the Yxy color 75.6003, 0.3315, 0.5737.

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

75.6003, 0.3315, 0.5737

Protanopia

74.0068, 0.4407, 0.4883

Deuteranopia

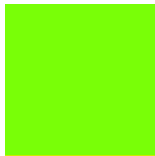
74.1194, 0.3782, 0.3835



Tritanopia

75.2620, 0.2576, 0.3086

Trichromacy



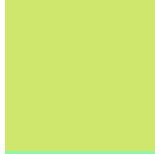
Original Color

75.6003, 0.3315, 0.5737



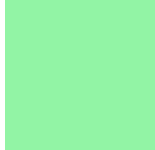
Protanomaly

72.2606, 0.3957, 0.5235



Deuteranomaly

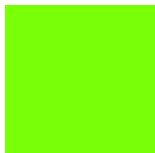
71.3563, 0.3707, 0.4662



Tritanomaly

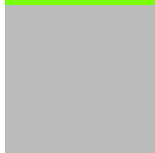
73.5290, 0.2971, 0.4284

Monochromacy



Original Color

75.6003, 0.3315, 0.5737



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

56.2786, 0.3360, 0.4485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6003, 0.3315, 0.5737 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(121, 255, 7)` looks like.

```
.text, #text, p{  
    color:rgb(121, 255, 7)  
}
```

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(121, 255, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 255, 7) }
```

Border

The CSS property to change the border of an element to Yxy 75.6003, 0.3315, 0.5737 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(121, 255, 7) }
```

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

```
.border{ border-color:rgb(121, 255, 7) }
```

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

Here you see how a box with a 4 pixel rgb(121, 255, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 255, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 255, 7);  
box-shadow:4px 4px 4px 4px rgb(121, 255,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6003, 0.3315, 0.5737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 255, 7) }
```

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

```
.background{ background-color: rgb(121,  
255, 7) }
```

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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