

Converting Colors

$Y_{xy}(75.3027, 0.3298, 0.5763)$

Have a look what the booklet for
Yxy(75.3027, 0.3298, 0.5763)
contains.

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Color

Yxy(75.3019, 0.3298, 0.5763)

Conversions

Conversions Part 1

Format	Color
Hex	75FF00
RGB	117, 255, 0
RGB Percent	46%, 100%, 0%
CMY	0.5413, 0.0000, 0.9990
CMYK	0.54, 0.00, 1.00, 0.00
HSL	93°, 100%, 50%
HSV	93°, 100%, 100%
XYZ	43.0931, 75.3019, 12.2694
YIQ	184.6680, -0.3930, -108.5610

Conversions

Conversions Part 2

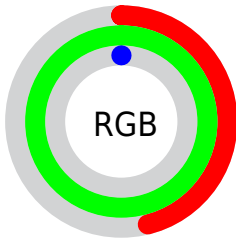
Format	Color
RYB	0, 255, 138
Decimal	7732992
CIELab	89.53, -70.78, 85.35
CIELCh	90, 110.880, 129.665
Yxy	75.3019, 0.3298, 0.5763
Android (android.graphics.Color)	4285923072 (0xFF75FF00)
YUV	184.6680, -91.0413, -59.3448
Hunter-Lab	86.7767, -63.2164, 52.3606

Details

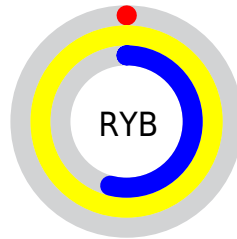
The Yxy color **75.3019, 0.3298, 0.5763** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **12.6529, 0.2090, 0.0925**, and the grayscale version is **48.8463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1341, 0.3503, 0.5066**, and **40.3446, 0.3063, 0.5950** is the 20% darker color. If you saturate the color by 10%, you get **75.2900, 0.3297, 0.5764**, and if you desaturate by 10%, it is **76.4010, 0.3353, 0.5660**.

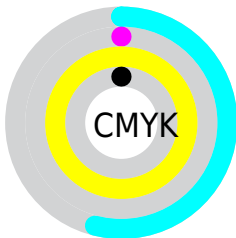
Distribution



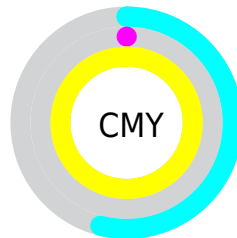
- Red (46%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (54%)



- Cyan (54%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.3019, 0.3298, 0.5763 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 75.3019, 0.3298, 0.5763 by changing the saturation by 10% instead.

 75.3019, 0.3298,
0.5763

 75.3019, 0.3298,
0.5763


478.9546, 0.3345,
0.4579


 55.8603, 0.3249,
0.6018


 126.7396, 0.3345,
0.5359


 40.0909, 0.3168,
0.6318


 159.5045, 0.3354,
0.5198

 27.6094, 0.3037,
0.6666


 197.4792, 0.3358,
0.5059

 18.0314, 0.2857,
0.7141

 241.0482, 0.3358,
0.4938

 10.9726, 0.2493,
0.7507

 290.5958, 0.3357,
0.4832

 6.0484, 0.1990,
0.8010


 346.5065, 0.3354,

 2.8745, 0.1023,


0.4737


0.8977


409.1646, 0.3350,
0.4654


 1.0666, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 75.3019, 0.3298,
0.5763


 75.3019, 0.3298,
0.5763


 75.2900, 0.3297,
0.5764

 76.4010, 0.3353,
0.5660


 77.7442, 0.3394,
0.5500


 79.3632, 0.3413,
0.5283


 81.2808, 0.3411,
0.5020

 83.5168, 0.3390,
0.4726

 86.0887, 0.3352,
0.4419

 89.0126, 0.3304,
0.4112

 92.3035, 0.3248,
0.3818

 95.9752, 0.3188,
0.3541

Harmonies

Analogous

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



75.3019, 0.4395, 0.5242



75.3019, 0.3298, 0.5763



75.3019, 0.2215, 0.5077

Triad

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



75.3019, 0.3298, 0.5763



75.3019, 0.1224, 0.1680



75.3019, 0.5036, 0.2777

Complementary

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



75.3019, 0.3298, 0.5763



12.6529, 0.2090, 0.0925

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.



75.3019, 0.3750, 0.2128



75.3019, 0.3298, 0.5763



75.3019, 0.1640, 0.1530

Square

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



75.3019, 0.3298, 0.5763



75.3019, 0.1151, 0.2259



75.3019, 0.2478, 0.1689



75.3019, 0.5605, 0.3520

Rectangle

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



75.3019, 0.3298, 0.5763



75.3019, 0.1652, 0.4019



75.3019, 0.2478, 0.1689



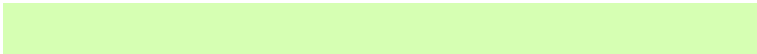
75.3019, 0.4654, 0.2545

Sweetspot

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



75.2997, 0.3298, 0.5763



88.9827, 0.3304, 0.4115



38.9011, 0.5335, 0.4145



18.7730, 0.3326, 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.



75.2997, 0.3298, 0.5763



75.2900, 0.3297, 0.5764



71.5407, 0.2996, 0.5985



20.5758, 0.3185, 0.3531



39.4270, 0.3309, 0.5754



3.9029, 0.3397, 0.5685

Inverse Universe

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



12.6529, 0.2090, 0.0925



12.6380, 0.2089, 0.0924



27.9504, 0.3296, 0.1589



17.8626, 0.3064, 0.3050



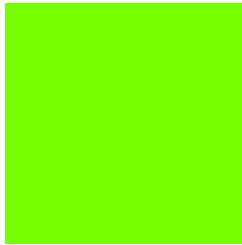
6.6935, 0.2105, 0.0933



0.7167, 0.2223, 0.0998

Previews

White Background



This preview shows how the Yxy color 75.3019, 0.3298, 0.5763 looks on a white background.

Color Contrast Check

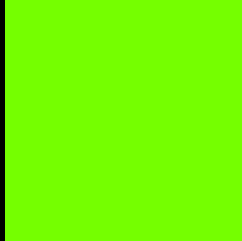
Large Text (above 18pt) WCAG AA × Fail

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 75.3019, 0.3298, 0.5763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

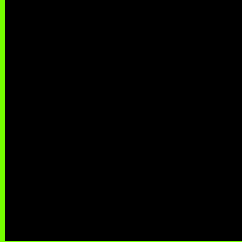
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

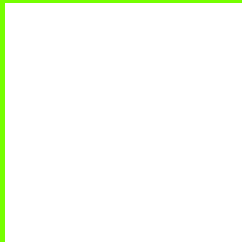
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.3019, 0.3298, 0.5763

Background



This preview shows how black text looks on a background with the Yxy color 75.3019, 0.3298, 0.5763.



This preview shows how white text looks on a background with the Yxy color 75.3019, 0.3298, 0.5763.

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

75.3019, 0.3298, 0.5763

Protanopia

74.0068, 0.4407, 0.4883

Deuteranopia

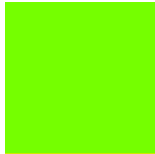
73.5660, 0.3793, 0.3835



Tritanopia

74.9565, 0.2561, 0.3085

Trichromacy



Original Color

75.3019, 0.3298, 0.5763



Protanomaly

72.1132, 0.3952, 0.5244



Deuteranomaly

71.1304, 0.3719, 0.4703



Tritanomaly

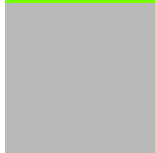
73.0608, 0.2965, 0.4330

Monochromacy



Original Color

75.3019, 0.3298, 0.5763



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.8748, 0.3366, 0.4525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.3019, 0.3298, 0.5763 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(117, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 75.3019, 0.3298, 0.5763 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(117, 255, 0) }
```

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

```
.border{ border-color:rgb(117, 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(117, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(117, 255,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 75.3019, 0.3298, 0.5763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 255, 0) }
```

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

```
.background{ background-color: rgb(117,  
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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