

Converting Colors

$Y_{xy}(74.6819, 0.3301, 0.5761)$

Have a look what the booklet for
Yxy(74.6819, 0.3301, 0.5761)
contains.

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Color

Yxy(74.6655, 0.3301, 0.5761)

Conversions

Conversions Part 1

Format	Color
Hex	75FE00
RGB	117, 254, 0
RGB Percent	46%, 100%, 0%
CMY	0.5410, 0.0039, 0.9999
CMYK	0.54, 0.00, 1.00, 0.00
HSL	92°, 100%, 50%
HSV	92°, 100%, 100%
XYZ	42.7826, 74.6655, 12.1570
YIQ	184.0810, -0.1180, -108.0380

Conversions

Conversions Part 2

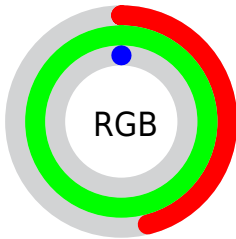
Format	Color
RYB	0, 254, 137
Decimal	7732736
CIELab	89.24, -70.41, 85.14
CIELCh	89, 110.482, 129.594
Yxy	74.6655, 0.3301, 0.5761
Android (android.graphics.Color)	4285922816 (0xFF75FE00)
YUV	184.0810, -90.7519, -58.8300
Hunter-Lab	86.4092, -62.8378, 52.1449

Details

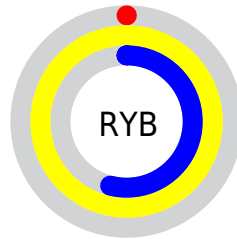
The Yxy color **74.6655, 0.3301, 0.5761** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **12.4741, 0.2084, 0.0922**, and the grayscale version is **48.5022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1341, 0.3503, 0.5066**, and **39.8919, 0.3063, 0.5950** is the 20% darker color. If you saturate the color by 10%, you get **74.6672, 0.3301, 0.5761**, and if you desaturate by 10%, it is **75.7604, 0.3356, 0.5658**.

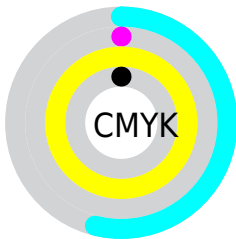
Distribution



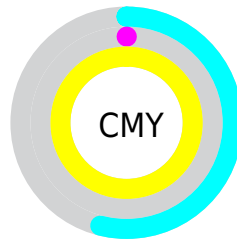
- Red (46%)
- Green (100%)
- Blue (0%)



- 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 74.6655, 0.3301, 0.5761 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 74.6655, 0.3301, 0.5761 by changing the saturation by 10% instead.


 74.6655, 0.3301,
0.5761

 74.6655, 0.3301,
0.5761


476.7671, 0.3346,
0.4576


 55.3389, 0.3252,
0.6017


 125.8387, 0.3347,
0.5356

 39.6731, 0.3171,
0.6317

 158.4542, 0.3356,
0.5196


 27.2838, 0.3040,
0.6666


 196.2680, 0.3360,
0.5057

 17.7865, 0.2859,
0.7141

 239.6647, 0.3360,
0.4936

 10.7968, 0.2492,
0.7508

 289.0285, 0.3359,
0.4829

 5.9304, 0.1986,
0.8014

 344.7439, 0.3355,

 2.8028, 0.0982,

0.4735

0.9018

407.1953, 0.3351,
0.4651

■ 1.0297, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.6655, 0.3301,
0.5761

■ 74.6655, 0.3301,
0.5761


■ 74.6672, 0.3301,
0.5761


■ 75.7604, 0.3356,
0.5658


■ 77.0902, 0.3396,
0.5499


■ 78.6917, 0.3416,
0.5283


■ 80.5877, 0.3414,
0.5020

 82.7975, 0.3392,
0.4727

 85.3385, 0.3355,
0.4421

 88.2266, 0.3305,
0.4114

 91.4766, 0.3249,
0.3820

 95.1021, 0.3189,
0.3543

Harmonies

Analogous

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



74.6655, 0.4397, 0.5239



74.6655, 0.3301, 0.5761



74.6655, 0.2219, 0.5079

Triad

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



74.6655, 0.3301, 0.5761



74.6655, 0.1225, 0.1681



74.6655, 0.5032, 0.2776

Complementary

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



74.6655, 0.3301, 0.5761



12.4741, 0.2084, 0.0922

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.



74.6655, 0.3746, 0.2127



74.6655, 0.3301, 0.5761



74.6655, 0.1639, 0.1530

Square

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



74.6655, 0.3301, 0.5761



74.6655, 0.1152, 0.2262



74.6655, 0.2476, 0.1690



74.6655, 0.5603, 0.3519

Rectangle

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



74.6655, 0.3301, 0.5761



74.6655, 0.1655, 0.4022



74.6655, 0.2476, 0.1690



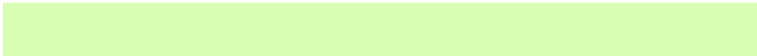
74.6655, 0.4650, 0.2544

Sweetspot

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



74.6687, 0.3301, 0.5761



89.0125, 0.3306, 0.4115



38.5342, 0.5336, 0.4145



18.7800, 0.3327, 0.4243



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.



74.6687, 0.3301, 0.5761



75.3358, 0.3301, 0.5761



70.9023, 0.2996, 0.5986



20.5781, 0.3186, 0.3531



39.4511, 0.3313, 0.5752



3.9053, 0.3400, 0.5682

Inverse Universe

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



12.4741, 0.2084, 0.0922



12.5818, 0.2083, 0.0921



27.6968, 0.3296, 0.1589



17.8602, 0.3064, 0.3050



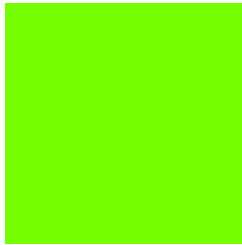
6.6641, 0.2100, 0.0930



0.7139, 0.2218, 0.0995

Previews

White Background



This preview shows how the Yxy color 74.6655, 0.3301, 0.5761 looks on a white background.

Color Contrast Check

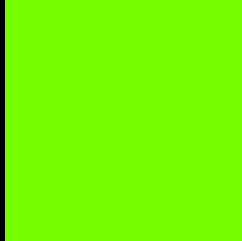
Large Text (above 18pt) WCAG AA × Fail

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 74.6655, 0.3301, 0.5761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

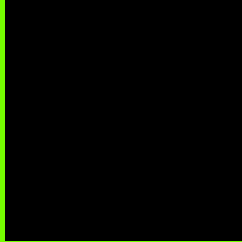
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

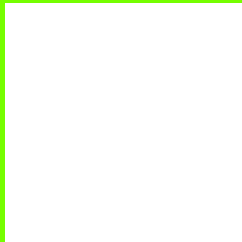
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.6655, 0.3301, 0.5761

Background



This preview shows how black text looks on a background with the Yxy color 74.6655, 0.3301, 0.5761.



This preview shows how white text looks on a background with the Yxy color 74.6655, 0.3301, 0.5761.

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

74.6655, 0.3301, 0.5761

Protanopia

73.2846, 0.4408, 0.4882

Deuteranopia

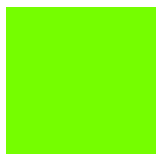
72.9449, 0.3818, 0.3856



Tritanopia

74.0809, 0.2545, 0.3072

Trichromacy



Original Color

74.6655, 0.3301, 0.5761



Protanomaly

71.4022, 0.3951, 0.5245



Deuteranomaly

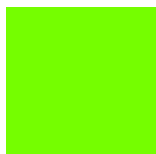
70.5321, 0.3734, 0.4713



Tritanomaly

72.3725, 0.2959, 0.4322

Monochromacy



Original Color

74.6655, 0.3301, 0.5761



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

54.3589, 0.3374, 0.4528

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.6655, 0.3301, 0.5761 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, 254, 0)` looks like.

```
.text, #text, p{  
    color:rgb(117, 254, 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, 254, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 254, 0) }
```

Border

The CSS property to change the border of an element to Yxy 74.6655, 0.3301, 0.5761 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, 254, 0) }
```

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

```
.border{ border-color:rgb(117, 254, 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, 254, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 254, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 254, 0);  
box-shadow:4px 4px 4px 4px rgb(117, 254,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 74.6655, 0.3301, 0.5761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 254, 0) }
```

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

```
.background{ background-color: rgb(117,  
254, 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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