

Converting Colors

$Y_{xy}(74.7892, 0.3248, 0.5767)$

Have a look what the booklet for
Yxy(74.7892, 0.3248, 0.5767)
contains.

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Color

Yxy(74.8149, 0.3250, 0.5765)

Conversions

Conversions Part 1

Format	Color
Hex	6DFF12
RGB	109, 255, 18
RGB Percent	43%, 100%, 7%
CMY	0.5725, 0.0000, 0.9300
CMYK	0.57, 0.00, 0.93, 0.00
HSL	97°, 100%, 54%
HSV	97°, 93%, 100%
XYZ	42.1767, 74.8149, 12.7828
YIQ	184.3280, -10.9390, -104.6590

Conversions

Conversions Part 2

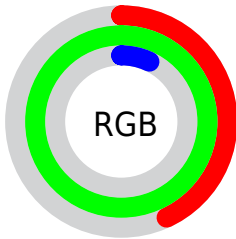
Format	Color
R _Y B	18, 255, 164
Decimal	7208722
CIE Lab	89.31, -72.53, 83.63
CIE LCh	89, 110.705, 130.935
Yxy	74.8149, 0.3250, 0.5765
Android (android.graphics.Color)	4285398802 (0xFF6DFF12)
YUV	184.3280, -81.9997, -66.0627
Hunter-Lab	86.4956, -64.3278, 51.7847

Details

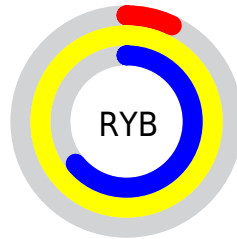
The Yxy color **74.8149, 0.3250, 0.5765** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark washed chartreuse. A complement of this color would be **15.5230, 0.2315, 0.1071**, and the grayscale version is **48.5854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3817, 0.3442, 0.5059**, and **40.0341, 0.3016, 0.5988** is the 20% darker color. If you saturate the color by 10%, you get **74.1183, 0.3211, 0.5833**, and if you desaturate by 10%, it is **76.0358, 0.3298, 0.5620**.

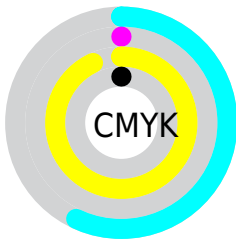
Distribution



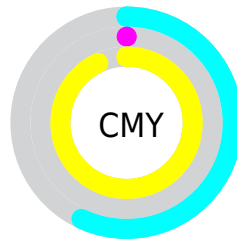
- Red (43%)
- Green (100%)
- Blue (7%)



- Red (7%)
- Yellow (100%)
- Blue (64%)



- Cyan (57%)
- Magenta (0%)
- Yellow (93%)
- Black (0%)




- Cyan (57%)
- Magenta (0%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.8149, 0.3250, 0.5765 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 74.8149, 0.3250, 0.5765 by changing the saturation by 10% instead.


 74.8149, 0.3250,
0.5765


 74.8149, 0.3250,
0.5765

477.2811, 0.3316,
0.4571

 55.4613, 0.3198,
0.6026


 126.0503, 0.3302,
0.5355

 39.7711, 0.3114,
0.6333


 158.7009, 0.3314,
0.5193

 27.3602, 0.2979,
0.6693


 196.5525, 0.3320,
0.5053

 17.8439, 0.2789,
0.7173

 239.9897, 0.3323,
0.4931

 10.8380, 0.2425,
0.7575

 289.3967, 0.3323,
0.4824

 5.9580, 0.1910,
0.8090

 345.1580, 0.3321,

 2.8195, 0.0847,

0.4730

407.6580, 0.3319,
0.4646

0.9153

■ 1.0383, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.8149, 0.3250,
0.5765

■ 74.8149, 0.3250,
0.5765


■ 74.1183, 0.3211,
0.5833


■ 76.0358, 0.3298,
0.5620

■ 77.5594, 0.3329,
0.5411


■ 79.4137, 0.3341,
0.5149


■ 81.6216, 0.3335,
0.4851

 84.2041, 0.3313,
0.4535

 87.1799, 0.3280,
0.4218

 90.5664, 0.3238,
0.3912

 94.3800, 0.3191,
0.3626

 98.6359, 0.3142,
0.3364

Harmonies

Analogous

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



74.8149, 0.4351, 0.5277



74.8149, 0.3250, 0.5765



74.8149, 0.2174, 0.5019

Triad

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



74.8149, 0.3250, 0.5765



74.8149, 0.1234, 0.1665



74.8149, 0.5080, 0.2807

Complementary

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



74.8149, 0.3250, 0.5765



15.5230, 0.2315, 0.1071

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.



74.8149, 0.3810, 0.2151



74.8149, 0.3250, 0.5765



74.8149, 0.1665, 0.1530

Square

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



74.8149, 0.3250, 0.5765



74.8149, 0.1146, 0.2222



74.8149, 0.2524, 0.1702



74.8149, 0.5609, 0.3553

Rectangle

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



74.8149, 0.3250, 0.5765



74.8149, 0.1622, 0.3949



74.8149, 0.2524, 0.1702



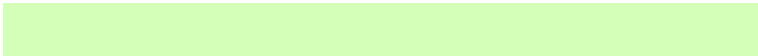
74.8149, 0.4707, 0.2573

Sweetspot

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



74.8157, 0.3250, 0.5765



88.8199, 0.3260, 0.4063



46.4943, 0.5035, 0.4340



18.7067, 0.3277, 0.4197



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.



74.8157, 0.3250, 0.5765



74.1183, 0.3211, 0.5833



71.8113, 0.2977, 0.5871



20.5085, 0.3174, 0.3532



38.8077, 0.3222, 0.5824



3.8391, 0.3310, 0.5754

Inverse Universe

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



15.5230, 0.2315, 0.1071



14.3852, 0.2249, 0.1013



27.4736, 0.3461, 0.1701



17.9313, 0.3076, 0.3051



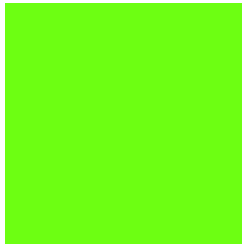
7.6052, 0.2264, 0.1021



0.8034, 0.2370, 0.1079

Previews

White Background



This preview shows how the Yxy color 74.8149, 0.3250, 0.5765 looks on a white background.

Color Contrast Check

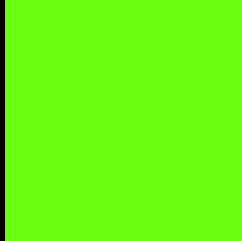
Large Text (above 18pt) WCAG AA × Fail

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 74.8149, 0.3250, 0.5765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

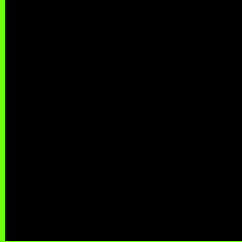
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

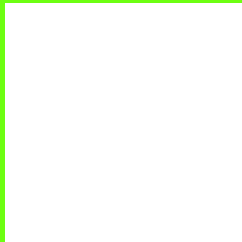
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.8149, 0.3250, 0.5765

Background



This preview shows how black text looks on a background with the Yxy color 74.8149, 0.3250, 0.5765.



This preview shows how white text looks on a background with the Yxy color 74.8149, 0.3250, 0.5765.

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

74.8149, 0.3250, 0.5765

Protanopia

73.2846, 0.4408, 0.4882

Deuteranopia

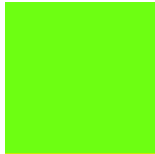
73.4589, 0.3815, 0.3866



Tritanopia

74.4638, 0.2538, 0.3083

Trichromacy



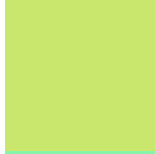
Original Color

74.8149, 0.3250, 0.5765



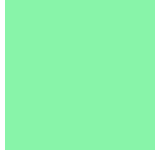
Protanomaly

71.5719, 0.3917, 0.5261



Deuteranomaly

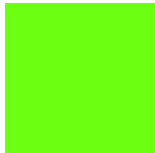
70.8125, 0.3671, 0.4668



Tritanomaly

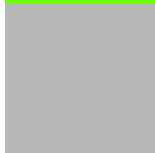
72.8002, 0.2897, 0.4246

Monochromacy



Original Color

74.8149, 0.3250, 0.5765



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

54.7165, 0.3305, 0.4456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8149, 0.3250, 0.5765 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(109, 255, 18)` looks like.

```
.text, #text, p{  
    color:rgb(109, 255, 18)  
}
```

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(109, 255, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 255, 18) }
```

Border

The CSS property to change the border of an element to Yxy 74.8149, 0.3250, 0.5765 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(109, 255, 18) }
```

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

```
.border{ border-color:rgb(109, 255, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 255, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 255, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 255, 18);  
box-shadow:4px 4px 4px 4px rgb(109, 255,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8149, 0.3250, 0.5765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 255, 18) }
```

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

```
.background{ background-color: rgb(109,  
255, 18) }
```

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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