

Converting Colors

$Y_{xy}(75.2229, 0.3276, 0.5735)$

Have a look what the booklet for
Yxy(75.2229, 0.3276, 0.5735)
contains.

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Color

Yxy(75.2190, 0.3276, 0.5735)

Conversions

Conversions Part 1

Format	Color
Hex	73FF15
RGB	115, 255, 21
RGB Percent	45%, 100%, 8%
CMY	0.5490, 0.0000, 0.9169
CMYK	0.55, 0.00, 0.92, 0.00
HSL	96°, 100%, 54%
HSV	96°, 92%, 100%
XYZ	42.9673, 75.2190, 12.9715
YIQ	186.4640, -8.3260, -102.4540

Conversions

Conversions Part 2

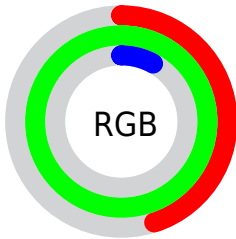
Format	Color
RYB	21, 255, 161
Decimal	7601941
CIELab	89.50, -70.98, 83.48
CIELCh	89, 109.577, 130.375
Yxy	75.2190, 0.3276, 0.5735
Android (android.graphics.Color)	4285792021 (0xFF73FF15)
YUV	186.4640, -81.5738, -62.6739
Hunter-Lab	86.7289, -63.3429, 51.8426

Details

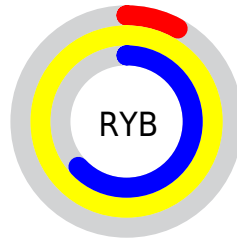
The Yxy color **75.2190, 0.3276, 0.5735** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark washed chartreuse. A complement of this color would be **15.3591, 0.2292, 0.1065**, and the grayscale version is **49.8607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9855, 0.3471, 0.5032**, and **40.2726, 0.3052, 0.5959** is the 20% darker color. If you saturate the color by 10%, you get **74.3635, 0.3229, 0.5818**, and if you desaturate by 10%, it is **76.4901, 0.3322, 0.5582**.

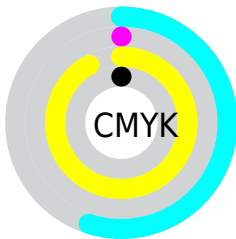
Distribution



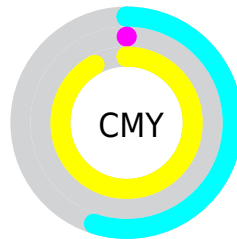
- Red (45%)
- Green (100%)
- Blue (8%)



- Red (8%)
- Yellow (100%)
- Blue (63%)



- Cyan (55%)
- Magenta (0%)
- Yellow (92%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.2190, 0.3276, 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 75.2190, 0.3276, 0.5735 by changing the saturation by 10% instead.


 75.2190, 0.3276,
0.5735

 75.2190, 0.3276,
0.5735


478.6700, 0.3328,
0.4559


 55.7923, 0.3227,
0.5991


 126.6223, 0.3323,
0.5332


 40.0364, 0.3148,
0.6293


 159.3677, 0.3333,
0.5172


 27.5670, 0.3020,
0.6647


 197.3215, 0.3337,
0.5034

 17.9995, 0.2836,
0.7113

 240.8681, 0.3338,
0.4914

 10.9496, 0.2484,
0.7516

 290.3918, 0.3337,
0.4809

 6.0330, 0.1980,
0.8020

 346.2771, 0.3335,

 2.8651, 0.1001,

0.4716

0.8999

408.9084, 0.3332,
0.4633

■ 1.0617, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 75.2190, 0.3276,
0.5735

■ 75.2190, 0.3276,
0.5735


■ 74.3635, 0.3229,
0.5818

■ 76.4901, 0.3322,
0.5582


■ 78.0593, 0.3349,
0.5367


■ 79.9531, 0.3357,
0.5102


■ 82.1938, 0.3347,
0.4804

 84.8010, 0.3321,
0.4489

 87.7929, 0.3283,
0.4175

 91.1862, 0.3238,
0.3873

 94.9965, 0.3188,
0.3590

 99.2386, 0.3136,
0.3331

Harmonies

Analogous

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



75.2190, 0.4366, 0.5248



75.2190, 0.3276, 0.5735



75.2190, 0.2204, 0.5021

Triad

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



75.2190, 0.3276, 0.5735



75.2190, 0.1244, 0.1686



75.2190, 0.5039, 0.2801

Complementary

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



75.2190, 0.3276, 0.5735



15.3591, 0.2292, 0.1065

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.



75.2190, 0.3777, 0.2151



75.2190, 0.3276, 0.5735



75.2190, 0.1667, 0.1544

Square

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



75.2190, 0.3276, 0.5735



75.2190, 0.1164, 0.2251



75.2190, 0.2511, 0.1709



75.2190, 0.5583, 0.3543

Rectangle

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



75.2190, 0.3276, 0.5735



75.2190, 0.1651, 0.3972



75.2190, 0.2511, 0.1709



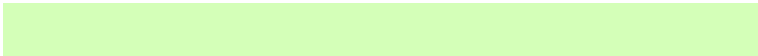
75.2190, 0.4667, 0.2569

Sweetspot

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



75.2200, 0.3276, 0.5735



88.9981, 0.3267, 0.4062



45.6246, 0.5057, 0.4310



18.7489, 0.3286, 0.4194



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.



75.2200, 0.3276, 0.5735



74.3635, 0.3229, 0.5818



71.8393, 0.2981, 0.5873



20.5238, 0.3177, 0.3531



38.9377, 0.3241, 0.5809



3.8528, 0.3329, 0.5739

Inverse Universe

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



15.3591, 0.2292, 0.1065



13.9612, 0.2211, 0.0992



27.8312, 0.3413, 0.1679



17.9156, 0.3073, 0.3051



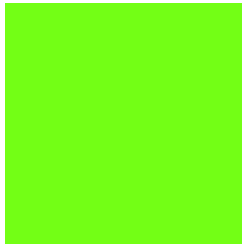
7.3843, 0.2227, 0.1000



0.7826, 0.2336, 0.1060

Previews

White Background



This preview shows how the Yxy color 75.2190, 0.3276, 0.5735 looks on a white background.

Color Contrast Check

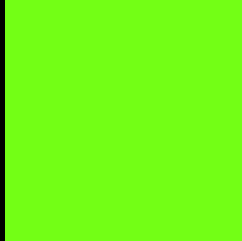
Large Text (above 18pt) WCAG AA × Fail

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 75.2190, 0.3276, 0.5735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

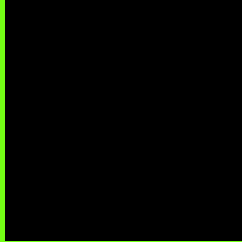
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

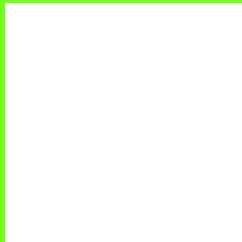
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.2190, 0.3276, 0.5735

Background



This preview shows how black text looks on a background with the Yxy color 75.2190, 0.3276, 0.5735.



This preview shows how white text looks on a background with the Yxy color 75.2190, 0.3276, 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

75.2190, 0.3276, 0.5735

Protanopia

74.0068, 0.4407, 0.4883

Deuteranopia

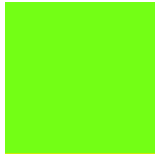
73.5301, 0.3800, 0.3846



Tritanopia

74.8563, 0.2557, 0.3084

Trichromacy



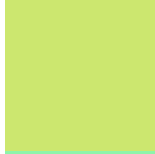
Original Color

75.2190, 0.3276, 0.5735



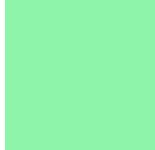
Protanomaly

71.9907, 0.3939, 0.5241



Deuteranomaly

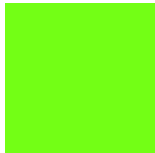
71.1369, 0.3676, 0.4641



Tritanomaly

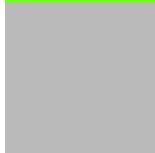
73.2664, 0.2918, 0.4226

Monochromacy



Original Color

75.2190, 0.3276, 0.5735



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

55.5685, 0.3314, 0.4431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.2190, 0.3276, 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(115, 255, 21)` looks like.

```
.text, #text, p{  
    color:rgb(115, 255, 21)  
}
```

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(115, 255, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 255, 21) }
```

Border

The CSS property to change the border of an element to Yxy 75.2190, 0.3276, 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(115, 255, 21) }
```

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

```
.border{ border-color:rgb(115, 255, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 255, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 255, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 255, 21);  
box-shadow:4px 4px 4px 4px rgb(115, 255,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 75.2190, 0.3276, 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(115, 255, 21) }
```

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

```
.background{ background-color: rgb(115,  
255, 21) }
```

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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