

Converting Colors

$Y_{xy}(75.2275, 0.3293, 0.5767)$

Have a look what the booklet for
Yxy(75.2275, 0.3293, 0.5767)
contains.

Yxy(75.2330, 0.3293, 0.5767)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.2330, 0.3293, 0.5767)

Conversions

Conversions Part 1

Format	Color
Hex	74FF00
RGB	116, 255, 0
RGB Percent	45%, 100%, 0%
CMY	0.5453, 0.0000, 0.9991
CMYK	0.55, 0.00, 1.00, 0.00
HSL	93°, 100%, 50%
HSV	93°, 100%, 100%
XYZ	42.9586, 75.2330, 12.2627
YIQ	184.3690, -0.9890, -108.7730

Conversions

Conversions Part 2

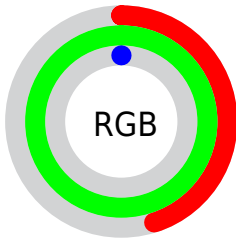
Format	Color
RYB	0, 255, 139
Decimal	7667456
CIELab	89.50, -71.04, 85.32
CIELCh	90, 111.018, 129.782
Yxy	75.2330, 0.3293, 0.5767
Android (android.graphics.Color)	4285857536 (0xFF74FF00)
YUV	184.3690, -90.8939, -59.9596
Hunter-Lab	86.7370, -63.3832, 52.3336

Details

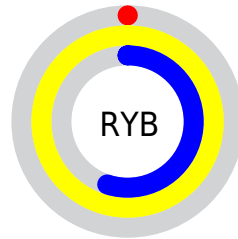
The Yxy color **75.2330, 0.3293, 0.5767** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **12.7378, 0.2098, 0.0930**, and the grayscale version is **48.6677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0136, 0.3496, 0.5070**, and **40.2898, 0.3054, 0.5957** is the 20% darker color. If you saturate the color by 10%, you get **75.2212, 0.3292, 0.5768**, and if you desaturate by 10%, it is **76.3289, 0.3349, 0.5663**.

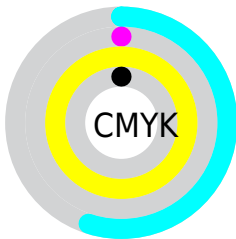
Distribution



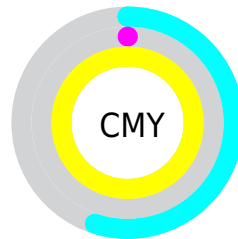
- Red (45%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (55%)



- Cyan (55%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (55%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.2330, 0.3293, 0.5767 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 75.2330, 0.3293, 0.5767 by changing the saturation by 10% instead.

 75.2330, 0.3293,
0.5767


 75.2330, 0.3293,
0.5767


478.7180, 0.3342,
0.4580


 55.8038, 0.3243,
0.6023


 126.6421, 0.3341,
0.5362


 40.0456, 0.3162,
0.6324


 159.3908, 0.3350,
0.5201

 27.5741, 0.3030,
0.6673


 197.3482, 0.3354,
0.5062


 18.0049, 0.2849,
0.7150

 240.8985, 0.3355,
0.4940

 10.9535, 0.2483,
0.7517

 290.4263, 0.3354,
0.4833

 6.0356, 0.1978,
0.8022

 346.3159, 0.3351,

 2.8667, 0.0998,

0.4739

0.9002

408.9517, 0.3347,
0.4655

■ 1.0626, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 75.2330, 0.3293,
0.5767

■ 75.2330, 0.3293,
0.5767

■ 75.2212, 0.3292,
0.5768

■ 76.3289, 0.3349,
0.5663

■ 77.6711, 0.3389,
0.5504

■ 79.2911, 0.3409,
0.5286

■ 81.2117, 0.3407,
0.5022

■ 83.4528, 0.3386,
0.4728

■ 86.0320, 0.3350,
0.4420

■ 88.9657, 0.3302,
0.4113

■ 92.2688, 0.3246,
0.3818

■ 95.9553, 0.3187,
0.3542

Harmonies

Analogous

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



75.2330, 0.4392, 0.5247



75.2330, 0.3293, 0.5767



75.2330, 0.2210, 0.5075

Triad

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



75.2330, 0.3293, 0.5767



75.2330, 0.1223, 0.1676



75.2330, 0.5043, 0.2779

Complementary

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



75.2330, 0.3293, 0.5767



12.7378, 0.2098, 0.0930

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.



75.2330, 0.3756, 0.2129



75.2330, 0.3293, 0.5767



75.2330, 0.1640, 0.1528

Square

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



75.2330, 0.3293, 0.5767



75.2330, 0.1149, 0.2254



75.2330, 0.2481, 0.1689



75.2330, 0.5609, 0.3523

Rectangle

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



75.2330, 0.3293, 0.5767



75.2330, 0.1647, 0.4013



75.2330, 0.2481, 0.1689



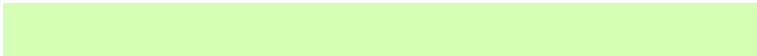
75.2330, 0.4661, 0.2547

Sweetspot

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



75.2302, 0.3293, 0.5767



88.9378, 0.3302, 0.4116



38.8989, 0.5335, 0.4145



18.7624, 0.3324, 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.



75.2302, 0.3293, 0.5767



75.2212, 0.3292, 0.5768



71.5406, 0.2996, 0.5986



20.5722, 0.3185, 0.3531



39.3907, 0.3304, 0.5758



3.8992, 0.3392, 0.5689

Inverse Universe

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



12.7378, 0.2098, 0.0930



12.7238, 0.2097, 0.0929



27.9500, 0.3296, 0.1589



17.8662, 0.3065, 0.3050



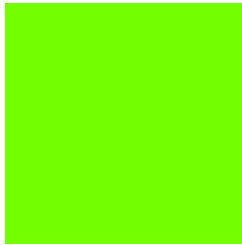
6.7384, 0.2113, 0.0938



0.7210, 0.2230, 0.1002

Previews

White Background



This preview shows how the Yxy color 75.2330, 0.3293, 0.5767 looks on a white background.

Color Contrast Check

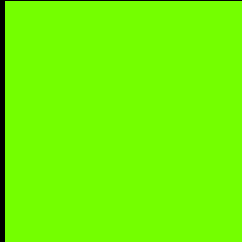
Large Text (above 18pt) WCAG AA × Fail

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 75.2330, 0.3293, 0.5767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

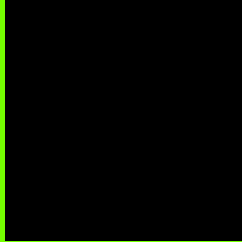
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.2330, 0.3293, 0.5767

Background



This preview shows how black text looks on a background with the Yxy color 75.2330, 0.3293, 0.5767.



This preview shows how white text looks on a background with the Yxy color 75.2330, 0.3293, 0.5767.

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

75.2330, 0.3293, 0.5767

Protanopia

74.0068, 0.4407, 0.4883

Deuteranopia

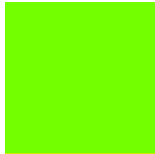
73.5301, 0.3800, 0.3846



Tritanopia

74.8563, 0.2557, 0.3084

Trichromacy



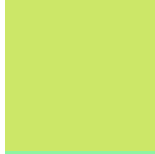
Original Color

75.2330, 0.3293, 0.5767



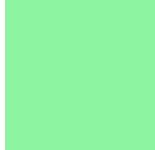
Protanomaly

72.1132, 0.3952, 0.5244



Deuteranomaly

70.9887, 0.3712, 0.4707



Tritanomaly

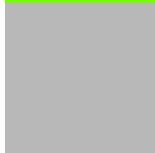
72.9727, 0.2959, 0.4332

Monochromacy



Original Color

75.2330, 0.3293, 0.5767



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

54.7485, 0.3364, 0.4541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.2330, 0.3293, 0.5767 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(116, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(116, 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(116, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 75.2330, 0.3293, 0.5767 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(116, 255, 0) }
```

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

```
.border{ border-color:rgb(116, 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(116, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(116, 255,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 75.2330, 0.3293, 0.5767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 255, 0) }
```

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

```
.background{ background-color: rgb(116,  
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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