

# Converting Colors

$Y_{xy}(75.6716, 0.3304, 0.5702)$

Have a look what the booklet for  
Yxy(75.6716, 0.3304, 0.5702)  
contains.

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**Color**

**Yxy(75.6551, 0.3303, 0.5702)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79FF19
RGB	121, 255, 25
RGB Percent	47%, 100%, 10%
CMY	0.5253, 0.0000, 0.9026
CMYK	0.53, 0.00, 0.90, 0.00
HSL	95°, 100%, 55%
HSV	95°, 90%, 100%
XYZ	43.8248, 75.6551, 13.2018
YIQ	188.7140, -6.0340, -99.9380

# Conversions

## Conversions Part 2

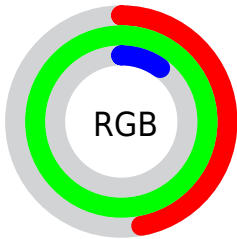
<b>Format</b>	<b>Color</b>
<b>RYB</b>	25, 255, 159
Decimal	7995161
CIELab	89.70, -69.32, 83.25
CIELCh	90, 108.335, 129.785
Yxy	75.6551, 0.3303, 0.5702
Android (android.graphics.Color)	4286185241 (0xFF79FF19)
YUV	188.7140, -80.7110, -59.3852
Hunter-Lab	86.9799, -62.2778, 51.8869

# Details

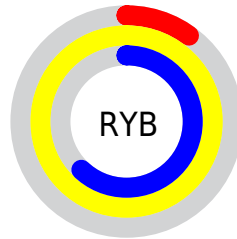
The Yxy color **75.6551, 0.3303, 0.5702** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark washed chartreuse. A complement of this color would be **15.2553, 0.2271, 0.1061**, and the grayscale version is **51.1879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6304, 0.3496, 0.4995**, and **40.5133, 0.3088, 0.5930** is the 20% darker color. If you saturate the color by 10%, you get **74.6215, 0.3249, 0.5803**, and if you desaturate by 10%, it is **76.9785, 0.3346, 0.5541**.

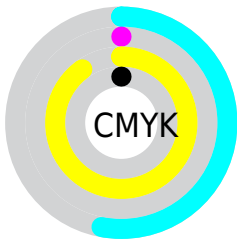
# Distribution



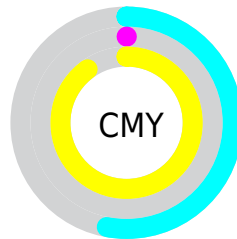
- Red (47%)
- Green (100%)
- Blue (10%)



- Red (10%)
- Yellow (100%)
- Blue (62%)



- Cyan (53%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)




- Cyan (53%)
- Magenta (0%)
- Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6551, 0.3303, 0.5702 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 75.6551, 0.3303, 0.5702 by changing the saturation by 10% instead.




 75.6551, 0.3303,  
0.5702


 75.6551, 0.3303,  
0.5702

480.1662, 0.3340,  
0.4545


 56.1497, 0.3258,  
0.5953


 127.2393, 0.3344,  
0.5306


 40.3230, 0.3184,  
0.6250


 160.0868, 0.3352,  
0.5149


 27.7905, 0.3062,  
0.6596


 198.1506, 0.3355,  
0.5014

 18.1678, 0.2885,  
0.7048

 241.8150, 0.3355,  
0.4895

 11.0705, 0.2548,  
0.7452

 291.4643, 0.3353,  
0.4791

 6.1143, 0.2055,  
0.7945

 347.4831, 0.3349,

 2.9147, 0.1155,

0.4700

0.8845

410.2556, 0.3345,  
0.4618

■ 1.0874, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 75.6551, 0.3303,  
0.5702

■ 75.6551, 0.3303,  
0.5702


■ 74.6215, 0.3249,  
0.5803


■ 76.9785, 0.3346,  
0.5541

■ 78.5932, 0.3369,  
0.5321

■ 80.5268, 0.3373,  
0.5052

■ 82.8005, 0.3358,  
0.4753

 85.4332, 0.3327,  
0.4440

 88.4422, 0.3286,  
0.4129

 91.8435, 0.3236,  
0.3830

 95.6521, 0.3183,  
0.3551

99.8822, 0.3129,  
0.3296

# Harmonies

## Analogous

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



75.6551, 0.4381, 0.5216



75.6551, 0.3303, 0.5702



75.6551, 0.2237, 0.5020

# Triad

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



75.6551, 0.3303, 0.5702



75.6551, 0.1256, 0.1709



75.6551, 0.4995, 0.2794

# Complementary

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



75.6551, 0.3303, 0.5702



15.2553, 0.2271, 0.1061

# 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.



75.6551, 0.3743, 0.2152



75.6551, 0.3303, 0.5702



75.6551, 0.1669, 0.1559

# Square

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



75.6551, 0.3303, 0.5702



75.6551, 0.1184, 0.2282



75.6551, 0.2498, 0.1718



75.6551, 0.5554, 0.3532



# Rectangle

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



75.6551, 0.3303, 0.5702



75.6551, 0.1682, 0.3996



75.6551, 0.2498, 0.1718



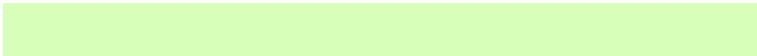
75.6551, 0.4623, 0.2565

# Sweetspot

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



75.6583, 0.3303, 0.5702



89.5087, 0.3270, 0.4029



44.8580, 0.5074, 0.4280



18.9200, 0.3286, 0.4133



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.



75.6583, 0.3303, 0.5702



74.6216, 0.3249, 0.5803



71.8788, 0.2986, 0.5873



20.5391, 0.3179, 0.3531



39.0743, 0.3260, 0.5793



3.8670, 0.3348, 0.5723



# Inverse Universe

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



15.2553, 0.2271, 0.1061



13.5524, 0.2174, 0.0971



28.2186, 0.3367, 0.1659



17.8999, 0.3071, 0.3051



7.1712, 0.2190, 0.0980

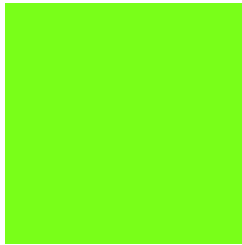


0.7625, 0.2302, 0.1042



# Previews

## White Background



This preview shows how the Yxy color 75.6551, 0.3303, 0.5702 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

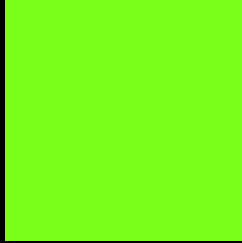
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.6551, 0.3303, 0.5702 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

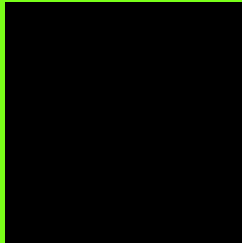
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

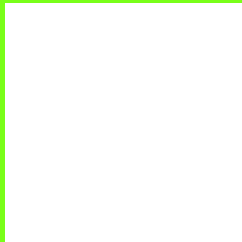
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.6551, 0.3303, 0.5702**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.6551, 0.3303, 0.5702.



This preview shows how white text looks on a background with the Yxy color 75.6551, 0.3303, 0.5702.

# 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

75.6551, 0.3303, 0.5702

### Protanopia

74.0221, 0.4402, 0.4875

### Deuteranopia

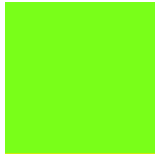
74.1560, 0.3775, 0.3825



## Tritanopia

75.2620, 0.2576, 0.3086

# Trichromacy



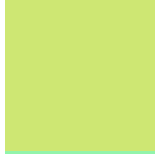
## Original Color

75.6551, 0.3303, 0.5702



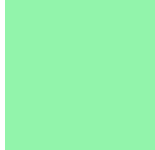
## Protanomaly

72.2831, 0.3951, 0.5222



## Deuteranomaly

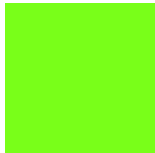
71.5114, 0.3670, 0.4594



## Tritanomaly

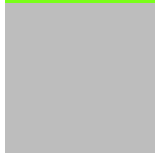
73.7526, 0.2940, 0.4206

# Monochromacy



## Original Color

75.6551, 0.3303, 0.5702



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

57.0660, 0.3322, 0.4402

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.6551, 0.3303, 0.5702 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(121, 255, 25)` looks like.

```
.text, #text, p{  
    color:rgb(121, 255, 25)  
}
```

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(121, 255, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 255, 25) }
```

## Border

The CSS property to change the border of an element to Yxy 75.6551, 0.3303, 0.5702 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(121, 255, 25) }
```

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

```
.border{ border-color:rgb(121, 255, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 255, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 255, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 255, 25);  
box-shadow:4px 4px 4px 4px rgb(121, 255,  
25) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.6551, 0.3303, 0.5702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 255, 25) }
```

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

```
.background{ background-color: rgb(121,  
255, 25) }
```

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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