

# Converting Colors

$Y_{xy}(74.1430, 0.3195, 0.5795)$

Have a look what the booklet for  
Yxy(74.1430, 0.3195, 0.5795)  
contains.

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**Color**

**Yxy(74.1193, 0.3194, 0.5797)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61FF16
RGB	97, 255, 22
RGB Percent	38%, 100%, 9%
CMY	0.6194, 0.0000, 0.9146
CMYK	0.62, 0.00, 0.91, 0.00
HSL	101°, 100%, 54%
HSV	101°, 91%, 100%
XYZ	40.8379, 74.1193, 12.9009
YIQ	181.1960, -19.3750, -105.9590

# Conversions

## Conversions Part 2

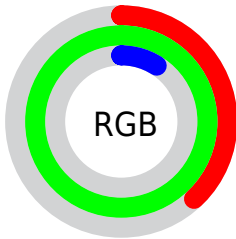
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 255, 180
Decimal	6422294
CIE <sub>Lab</sub>	88.98, -75.20, 82.77
CIE <sub>LCh</sub>	89, 111.829, 132.259
Yxy	74.1193, 0.3194, 0.5797
Android (android.graphics.Color)	4284612374 (0xFF61FF16)
YUV	181.1960, -78.4836, -73.8399
Hunter-Lab	86.0926, -65.9908, 51.3803

# Details

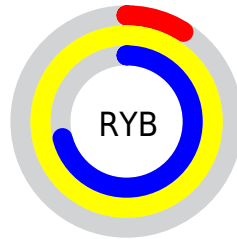
The Yxy color **74.1193, 0.3194, 0.5797** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark washed chartreuse. A complement of this color would be **17.4544, 0.2463, 0.1159**, and the grayscale version is **46.7584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3134, 0.3372, 0.5079**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **73.3280, 0.3149, 0.5881**, and if you desaturate by 10%, it is **75.3273, 0.3239, 0.5640**.

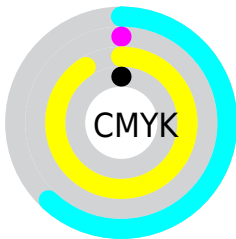
# Distribution



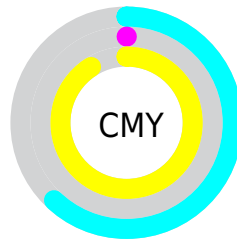
- Red (38%)
- Green (100%)
- Blue (9%)



- Red (9%)
- Yellow (100%)
- Blue (71%)



- Cyan (62%)
- Magenta (0%)
- Yellow (91%)
- Black (0%)




- Cyan (62%)
- Magenta (0%)
- Yellow (91%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 74.1193, 0.3194, 0.5797 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 74.1193, 0.3194, 0.5797 by changing the saturation by 10% instead.




 74.1193, 0.3194,  
0.5797


 74.1193, 0.3194,  
0.5797


 474.8850, 0.3285,  
0.4579


 54.8917, 0.3136,  
0.6065


 125.0649, 0.3255,  
0.5377

 39.3150, 0.3045,  
0.6383


 157.5517, 0.3270,  
0.5212

 27.0049, 0.2901,  
0.6756


 195.2270, 0.3279,  
0.5069

 17.5769, 0.2698,  
0.7253

 238.4752, 0.3285,  
0.4945

 10.6466, 0.2322,  
0.7678

 287.6807, 0.3287,  
0.4836

 5.8298, 0.1790,  
0.8210


 343.2279, 0.3288,

 2.7418, 0.0555,


0.4740


0.9445


405.5012, 0.3287,  
0.4655


 0.9985, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 74.1193, 0.3194,  
0.5797


 74.1193, 0.3194,  
0.5797


 73.3280, 0.3149,  
0.5881


 75.3273, 0.3239,  
0.5640


 76.8716, 0.3270,  
0.5416


 78.7845, 0.3284,  
0.5139


 81.0916, 0.3283,  
0.4828

 83.8161, 0.3268,  
0.4502

 86.9790, 0.3242,  
0.4179

 90.5999, 0.3209,  
0.3871

 94.6971, 0.3172,  
0.3585

 99.2879, 0.3133,  
0.3326

# Harmonies

## Analogous

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



74.1193, 0.4309, 0.5330



74.1193, 0.3194, 0.5797



74.1193, 0.2117, 0.4982

# Triad

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



74.1193, 0.3194, 0.5797



74.1193, 0.1229, 0.1635



74.1193, 0.5148, 0.2831

# Complementary

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



74.1193, 0.3194, 0.5797



17.4544, 0.2463, 0.1159

# 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.



74.1193, 0.3880, 0.2165



74.1193, 0.3194, 0.5797



74.1193, 0.1679, 0.1515

# Square

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



74.1193, 0.3194, 0.5797



74.1193, 0.1126, 0.2171



74.1193, 0.2565, 0.1702



74.1193, 0.5637, 0.3583



# Rectangle

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



74.1193, 0.3194, 0.5797



74.1193, 0.1576, 0.3882



74.1193, 0.2565, 0.1702



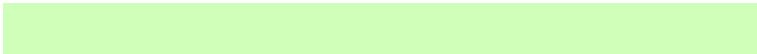
74.1193, 0.4782, 0.2595

# Sweetspot

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



74.1220, 0.3194, 0.5797



88.5359, 0.3228, 0.4039



52.8640, 0.4845, 0.4482



18.6934, 0.3239, 0.4146



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.



74.1220, 0.3194, 0.5797



73.3280, 0.3149, 0.5881



72.0212, 0.2947, 0.5750



20.4527, 0.3165, 0.3532



38.3864, 0.3160, 0.5873



3.7935, 0.3244, 0.5806



# Inverse Universe

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



17.4544, 0.2463, 0.1159



16.0682, 0.2393, 0.1092



26.7900, 0.3642, 0.1809



17.9892, 0.3086, 0.3052



8.4800, 0.2407, 0.1099

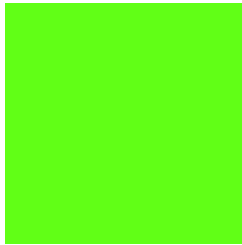


0.8846, 0.2499, 0.1150



# Previews

## White Background



This preview shows how the Yxy color 74.1193, 0.3194, 0.5797 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

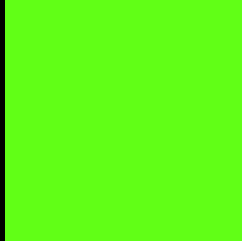
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.1193, 0.3194, 0.5797 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

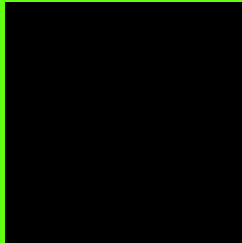
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

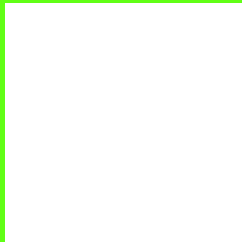
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.1193, 0.3194, 0.5797**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.1193, 0.3194, 0.5797.



This preview shows how white text looks on a background with the Yxy color 74.1193, 0.3194, 0.5797.

# 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

74.1193, 0.3194, 0.5797

### Protanopia

72.5665, 0.4409, 0.4881

### Deuteranopia

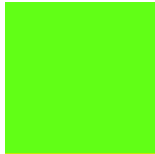
72.2952, 0.3851, 0.3887



## Tritanopia

73.7177, 0.2501, 0.3081

# Trichromacy



## Original Color

74.1193, 0.3194, 0.5797



## Protanomaly

70.3325, 0.3885, 0.5283



## Deuteranomaly

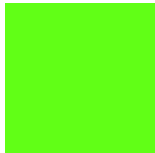
69.6821, 0.3650, 0.4685



## Tritanomaly

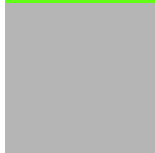
72.1157, 0.2847, 0.4245

# Monochromacy



## Original Color

74.1193, 0.3194, 0.5797



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

53.0258, 0.3262, 0.4468

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.1193, 0.3194, 0.5797 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(97, 255, 22)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 22)  
}
```

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(97, 255, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 22) }
```

## Border

The CSS property to change the border of an element to Yxy 74.1193, 0.3194, 0.5797 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(97, 255, 22) }
```

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

```
.border{ border-color:rgb(97, 255, 22) }
```

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

Here you see how a box with a 4 pixel rgb(97, 255, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 22);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
22) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.1193, 0.3194, 0.5797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 22) }
```

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

```
.background{ background-color: rgb(97, 255,  
22) }
```

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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