

# Converting Colors

Yxy(73.0029, 0.3124, 0.5902)

Have a look what the booklet for  
Yxy(73.0029, 0.3124, 0.5902)  
contains.

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# Color

**Yxy(73.0159, 0.3125, 0.5901)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BFF00
RGB	75, 255, 0
RGB Percent	29%, 100%, 0%
CMY	0.7055, 0.0000, 1.0000
CMYK	0.71, 0.00, 1.00, 0.00
HSL	102°, 100%, 50%
HSV	102°, 100%, 100%
XYZ	38.6671, 73.0159, 12.0518
YIQ	172.1100, -25.4250, -117.4650

# Conversions

## Conversions Part 2

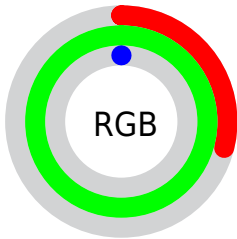
Format	Color
<b>RYB</b>	0, 255, 180
Decimal	4980480
CIELab	88.46, -79.75, 84.07
CIELCh	88, 115.879, 133.491
Yxy	73.0159, 0.3125, 0.5901
Android (android.graphics.Color)	4283170560 (0xFF4BFF00)
YUV	172.1100, -84.8502, -85.1655
Hunter-Lab	85.4493, -68.7624, 51.4523

# Details

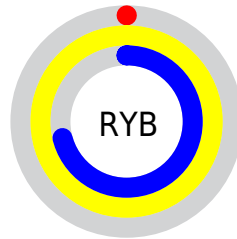
The Yxy color **73.0159, 0.3125, 0.5901** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **16.9107, 0.2462, 0.1130**, and the grayscale version is **41.7779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6062, 0.3298, 0.5190**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **73.0192, 0.3125, 0.5901**, and if you desaturate by 10%, it is **73.9235, 0.3174, 0.5799**.

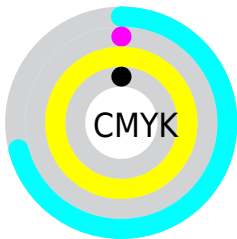
# Distribution



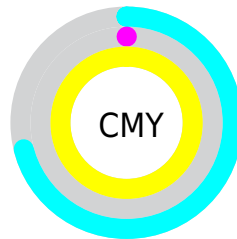
- Red (29%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (71%)



- Cyan (71%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (71%)
- Magenta (0%)
- Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0159, 0.3125, 0.5901 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 73.0159, 0.3125, 0.5901 by changing the saturation by 10% instead.




 73.0159, 0.3125,  
0.5901

 73.0159, 0.3125,  
0.5901


 471.0699, 0.3257,  
0.4625


 53.9890, 0.3055,  
0.6183


 123.4998, 0.3202,  
0.5460


 38.5928, 0.2949,  
0.6515

 155.7255, 0.3223,  
0.5287


 26.4431, 0.2786,  
0.6905


 193.1196, 0.3237,  
0.5137

 17.1554, 0.2562,  
0.7438

 236.0666, 0.3246,  
0.5007

 10.3454, 0.2148,  
0.7852

 284.9506, 0.3251,  
0.4894

 5.6286, 0.1590,  
0.8410


 340.1563, 0.3255,


 2.6206, 0.0000,


0.4793


1.0000


402.0679, 0.3256,  
0.4704


 0.9370, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000

 73.0159, 0.3125,  
0.5901

 73.0159, 0.3125,  
0.5901

 73.0192, 0.3125,  
0.5901

 73.9235, 0.3174,  
0.5799

 75.1430, 0.3217,  
0.5631

 76.7207, 0.3246,  
0.5396

 78.6872, 0.3260,  
0.5110

■ 81.0693, 0.3259,  
0.4791

■ 83.8913, 0.3246,  
0.4461

■ 87.1753, 0.3224,  
0.4137

■ 90.9418, 0.3195,  
0.3829

■ 95.2103, 0.3162,  
0.3546

# Harmonies

## Analogous

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



73.0159, 0.4275, 0.5416



73.0159, 0.3125, 0.5901



73.0159, 0.2031, 0.4999

# Triad

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



73.0159, 0.3125, 0.5901



73.0159, 0.1190, 0.1572



73.0159, 0.5268, 0.2836

# Complementary

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



73.0159, 0.3125, 0.5901



16.9107, 0.2462, 0.1130

# 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.



73.0159, 0.3966, 0.2153



73.0159, 0.3125, 0.5901



73.0159, 0.1662, 0.1468

# Square

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



73.0159, 0.3125, 0.5901



73.0159, 0.1069, 0.2091



73.0159, 0.2590, 0.1670



73.0159, 0.5721, 0.3601



# Rectangle

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



73.0159, 0.3125, 0.5901



73.0159, 0.1493, 0.3829



73.0159, 0.2590, 0.1670



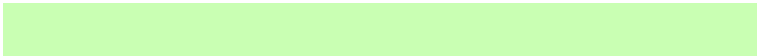
73.0159, 0.4898, 0.2595

# Sweetspot

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



73.0192, 0.3125, 0.5901



87.1763, 0.3224, 0.4137



53.2995, 0.4860, 0.4523



18.3506, 0.3234, 0.4272



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.



73.0192, 0.3125, 0.5901



73.0200, 0.3125, 0.5901



71.7582, 0.2952, 0.5825



20.4273, 0.3160, 0.3533



38.2210, 0.3135, 0.5893



3.7749, 0.3217, 0.5828



# Inverse Universe

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



16.9107, 0.2462, 0.1130



16.9109, 0.2462, 0.1130



25.6193, 0.3803, 0.1869



18.0160, 0.3090, 0.3052



8.9171, 0.2474, 0.1137

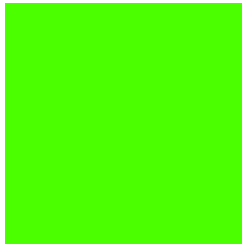


0.9246, 0.2560, 0.1184



# Previews

## White Background



This preview shows how the Yxy color 73.0159, 0.3125, 0.5901 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

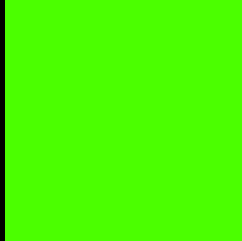
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.0159, 0.3125, 0.5901 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 73.0159, 0.3125, 0.5901**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.0159, 0.3125, 0.5901.



This preview shows how white text looks on a background with the Yxy color 73.0159, 0.3125, 0.5901.

# 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

73.0159, 0.3125, 0.5901

### Protanopia

71.1429, 0.4411, 0.4880

### Deuteranopia

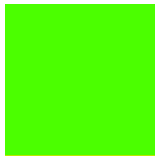
71.0829, 0.3902, 0.3928



## Tritanopia

72.1164, 0.2448, 0.3067

# Trichromacy



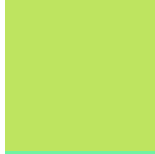
## Original Color

73.0159, 0.3125, 0.5901



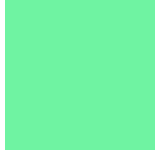
## Protanomaly

68.5921, 0.3828, 0.5343



## Deuteranomaly

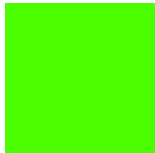
67.2785, 0.3656, 0.4815



## Tritanomaly

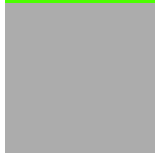
70.0893, 0.2811, 0.4366

# Monochromacy



## Original Color

73.0159, 0.3125, 0.5901



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

48.6636, 0.3259, 0.4638

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.0159, 0.3125, 0.5901 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(75, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(75, 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(75, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 255, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 73.0159, 0.3125, 0.5901 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(75, 255, 0) }
```

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

```
.border{ border-color:rgb(75, 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(75, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(75, 255, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 73.0159, 0.3125, 0.5901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 255, 0) }
```

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

```
.background{ background-color: rgb(75, 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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