

# Converting Colors

$Yxy(73.4435, 0.3089, 0.5725)$

Have a look what the booklet for  
Yxy(73.4435, 0.3089, 0.5725)  
contains.

<b>Yxy(73.4645, 0.3090, 0.5724)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(73.4645, 0.3090, 0.5724)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50FF33
RGB	80, 255, 51
RGB Percent	31%, 100%, 20%
CMY	0.6867, 0.0000, 0.8000
CMYK	0.69, 0.00, 0.80, 0.00
HSL	112°, 100%, 60%
HSV	112°, 80%, 100%
XYZ	39.6585, 73.4645, 15.2217
YIQ	179.4190, -38.8160, -100.5440

# Conversions

## Conversions Part 2

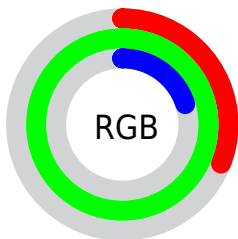
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">51, 255, 226</a>
Decimal	<a href="#">5308211</a>
CIELab	<a href="#">88.67, -77.53, 76.66</a>
CIELCh	<a href="#">89, 109.035, 135.323</a>
Yxy	<a href="#">73.4645, 0.3090, 0.5724</a>
Android (android.graphics.Color)	<a href="#">4283498291 (0xFF50FF33)</a>
YUV	<a href="#">179.4190, -63.3106, -87.1905</a>
Hunter-Lab	<a href="#">85.7114, -67.4034, 49.4686</a>

# Details

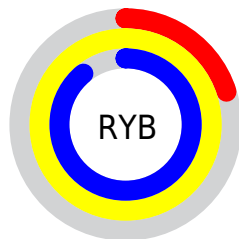
The Yxy color **73.4645, 0.3090, 0.5724** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **25.7774, 0.2921, 0.1487**, and the grayscale version is **45.6558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3142, 0.3235, 0.4976**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.4917, 0.3061, 0.5887**, and if you desaturate by 10%, it is **74.8605, 0.3115, 0.5483**.

# Distribution



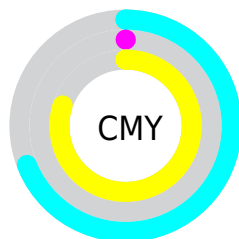
- Red (31%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (89%)



- Cyan (69%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)



- Cyan (69%)
- Magenta (0%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4645, 0.3090, 0.5724 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 73.4645, 0.3090, 0.5724 by changing the saturation by 10% instead.





 73.4645, 0.3090,  
0.5724

 73.4645, 0.3090,  
0.5724


472.6231, 0.3214,  
0.4523

 54.3559, 0.3029,  
0.5997


 124.1364, 0.3159,  
0.5304


 38.8862, 0.2937,  
0.6326


 156.4685, 0.3178,  
0.5140


 26.6712, 0.2794,  
0.6721


 193.9771, 0.3191,  
0.5000

 17.3265, 0.2578,  
0.7211

 237.0468, 0.3200,  
0.4879

 10.4675, 0.2231,  
0.7769

 286.0618, 0.3206,  
0.4773

 5.7100, 0.1684,  
0.8316


341.4066, 0.3210,

 2.6696, 0.0261,

0.4679


0.9739

403.4656, 0.3213,  
0.4597


 0.9618, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000

 73.4645, 0.3090,  
0.5724


 73.4645, 0.3090,  
0.5724


 72.4917, 0.3061,  
0.5887

 74.8605, 0.3115,  
0.5483


 71.8969, 0.3032,  
0.5974

 76.7396, 0.3135,  
0.5182

 71.8968, 0.3032,  
0.5974

 79.1359, 0.3146,  
0.4844

 82.0843, 0.3152,  
0.4496

 85.6167, 0.3151,  
0.4156

 89.7624, 0.3146,  
0.3837

 94.5489, 0.3137,  
0.3548

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



73.4645, 0.4195, 0.5380



73.4645, 0.3090, 0.5724



73.4645, 0.2047, 0.4787

# Triad

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



73.4645, 0.3090, 0.5724



73.4645, 0.1285, 0.1635



73.4645, 0.5198, 0.2917

# Complementary

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



73.4645, 0.3090, 0.5724



25.7774, 0.2921, 0.1487

# 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.



73.4645, 0.4007, 0.2245



73.4645, 0.3090, 0.5724



73.4645, 0.1771, 0.1548

# Square

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



73.4645, 0.3090, 0.5724



73.4645, 0.1150, 0.2116



73.4645, 0.2693, 0.1761



73.4645, 0.5587, 0.3671



# Rectangle

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



73.4645, 0.3090, 0.5724



73.4645, 0.1542, 0.3706



73.4645, 0.2693, 0.1761



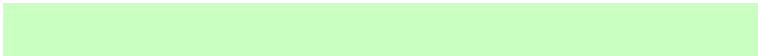
73.4645, 0.4865, 0.2680

# Sweetspot

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



73.4595, 0.3090, 0.5724



88.0273, 0.3148, 0.3961



75.0264, 0.4352, 0.4760



18.5291, 0.3150, 0.4076



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.



73.4595, 0.3090, 0.5724



72.0969, 0.3043, 0.5946



73.6393, 0.2806, 0.5081



20.2914, 0.3137, 0.3534



37.6047, 0.3038, 0.5970



3.6969, 0.3096, 0.5924



# Inverse Universe

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



25.7774, 0.2921, 0.1487



22.7115, 0.2862, 0.1360



27.0725, 0.4058, 0.2153



18.1624, 0.3115, 0.3054



11.6841, 0.2853, 0.1345

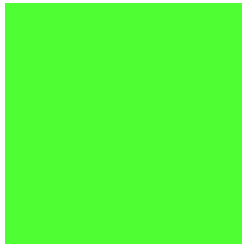


1.1718, 0.2896, 0.1369



# Previews

## White Background



This preview shows how the Yxy color 73.4645, 0.3090, 0.5724 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

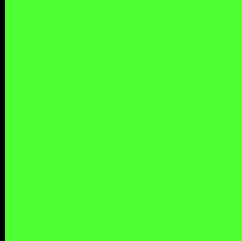
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.4645, 0.3090, 0.5724 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 73.4645, 0.3090, 0.5724**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.4645, 0.3090, 0.5724.

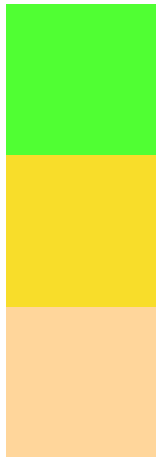


This preview shows how white text looks on a background with the Yxy color 73.4645, 0.3090, 0.5724.

# 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

73.4645, 0.3090, 0.5724

### Protanopia

71.8365, 0.4348, 0.4807

### Deuteranopia

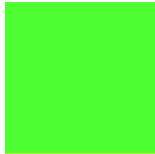
71.7197, 0.3869, 0.3897



## Tritanopia

72.9393, 0.2462, 0.3079

# Trichromacy



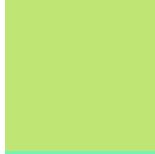
## Original Color

73.4645, 0.3090, 0.5724



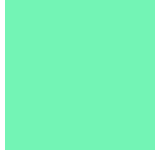
## Protanomaly

69.0321, 0.3787, 0.5218



## Deuteranomaly

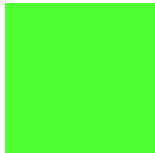
68.3993, 0.3553, 0.4610



## Tritanomaly

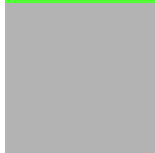
71.6824, 0.2737, 0.4108

# Monochromacy



## Original Color

73.4645, 0.3090, 0.5724



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

52.1312, 0.3155, 0.4350

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.4645, 0.3090, 0.5724 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(80, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(80, 255, 51)  
}
```

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(80, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 255, 51) }
```

## Border

The CSS property to change the border of an element to Yxy 73.4645, 0.3090, 0.5724 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(80, 255, 51) }
```

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

```
.border{ border-color:rgb(80, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(80, 255,  
51) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.4645, 0.3090, 0.5724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 255, 51) }
```

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

```
.background{ background-color: rgb(80, 255,  
51) }
```

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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