

# Converting Colors

$Yxy(74.4401, 0.2360, 0.3151)$

Have a look what the booklet for  
Yxy(74.4401, 0.2360, 0.3151)  
contains.

<b>Yxy(74.1460, 0.2358, 0.3146)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(74.1460, 0.2358, 0.3146)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66F3FF
RGB	102, 243, 255
RGB Percent	40%, 95%, 100%
CMY	0.6001, 0.0470, 0.0001
CMYK	0.60, 0.05, 0.00, 0.00
HSL	185°, 100%, 70%
HSV	185°, 60%, 100%
XYZ	55.5741, 74.1460, 105.9633
YIQ	202.2090, -87.8880, -26.1600

# Conversions

## Conversions Part 2

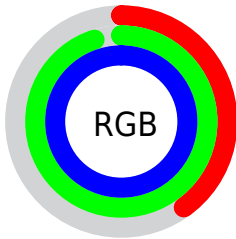
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 175, 255
Decimal	6747135
CIELab	88.99, -34.45, -17.18
CIELCh	89, 38.493, 206.502
Yxy	74.1460, 0.2358, 0.3146
Android (android.graphics.Color)	4284937215 (0xFF66F3FF)
YUV	202.2090, 26.0260, -87.8833
Hunter-Lab	86.1081, -35.4852, -12.6857

# Details

The Yxy color **74.1460, 0.2358, 0.3146** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.2358, 0.4942, 0.3409**, and the grayscale version is **59.0737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **39.1950, 0.2194, 0.3099** is the 20% darker color. If you saturate the color by 10%, you get **71.6947, 0.2285, 0.3119**, and if you desaturate by 10%, it is **77.0737, 0.2450, 0.3173**.

# Distribution



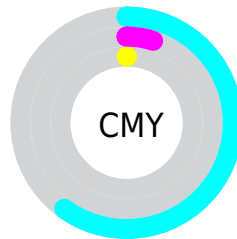
- Red (40%)
- Green (95%)
- Blue (100%)



- Red (40%)
- Yellow (69%)
- Blue (100%)



- Cyan (60%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.1460, 0.2358, 0.3146 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 74.1460, 0.2358, 0.3146 by changing the saturation by 10% instead.





 74.1460, 0.2358,  
0.3146


 74.1460, 0.2358,  
0.3146


474.9771, 0.2702,  
0.3223

 54.9135, 0.2283,  
0.3126


 125.1028, 0.2475,  
0.3175

 39.3325, 0.2191,  
0.3101

 157.5958, 0.2521,  
0.3185

 27.0185, 0.2079,  
0.3067


 195.2779, 0.2561,  
0.3194

 17.5871, 0.1936,  
0.3020

238.5334, 0.2596,  
0.3202

 10.6540, 0.1752,  
0.2952

287.7467, 0.2627,  
0.3208

 5.8347, 0.1505,  
0.2847

343.3021, 0.2655,

 2.7448, 0.1166,

0.3214

0.2670

405.5841, 0.2680,  
0.3219

1.0000, 0.0258,  
0.2448

0.0000, 0.0000,  
0.0000

74.1460, 0.2358,  
0.3146

74.1460, 0.2358,  
0.3146

71.6947, 0.2285,  
0.3119

77.0737, 0.2450,  
0.3173

69.6679, 0.2232,  
0.3092

80.5075, 0.2560,  
0.3199

68.0164, 0.2197,  
0.3065

84.4844, 0.2686,  
0.3224

66.6553, 0.2178,  
0.3039

89.0353, 0.2824,  
0.3248

■ 94.1891, 0.2972,  
0.3270

99.9725, 0.3127,  
0.3290

99.9980, 0.3127,  
0.3290

# Harmonies

## Analogous

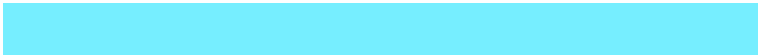
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.1460, 0.2624, 0.3603



74.1460, 0.2358, 0.3146



74.1460, 0.2286, 0.2778

# Triad

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



74.1460, 0.2358, 0.3146



74.1460, 0.3167, 0.2713



74.1460, 0.3865, 0.4004

# Complementary

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



74.1460, 0.2358, 0.3146



34.2358, 0.4942, 0.3409

# 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.



74.1460, 0.4044, 0.3708



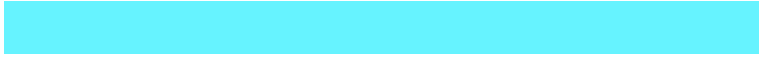
74.1460, 0.2358, 0.3146



74.1460, 0.3628, 0.2989

# Square

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



74.1460, 0.2358, 0.3146



74.1460, 0.2726, 0.2565



74.1460, 0.3959, 0.3342



74.1460, 0.3491, 0.4125

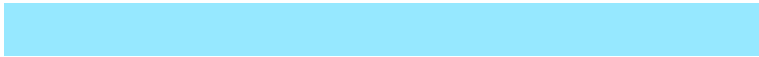


# Rectangle

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



74.1460, 0.2358, 0.3146



74.1460, 0.2350, 0.2626



74.1460, 0.3959, 0.3342



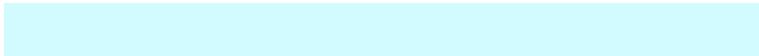
74.1460, 0.3951, 0.3919

# Sweetspot

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



74.1488, 0.2358, 0.3146



90.0417, 0.2853, 0.3252



75.4986, 0.2998, 0.5126



18.9685, 0.2811, 0.3246



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.



74.1488, 0.2358, 0.3146



71.2761, 0.2273, 0.3113



38.1504, 0.2139, 0.2171



20.2240, 0.2980, 0.3271



34.9403, 0.2179, 0.3043



3.4713, 0.2187, 0.3073



# Inverse Universe

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



37.2259, 0.3305, 0.1979



32.1473, 0.3343, 0.1811



58.4696, 0.4385, 0.4152



18.2744, 0.3150, 0.3074



14.2552, 0.3416, 0.1656

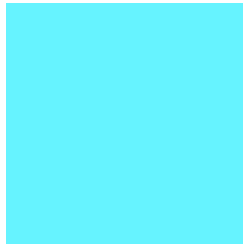


1.3950, 0.3390, 0.1641



# Previews

## White Background



This preview shows how the Yxy color 74.1460, 0.2358, 0.3146 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

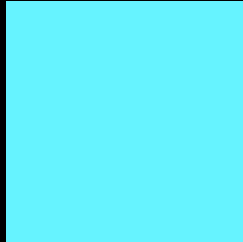
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.1460, 0.2358, 0.3146 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

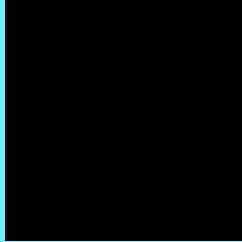
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.1460, 0.2358, 0.3146**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.1460, 0.2358, 0.3146.

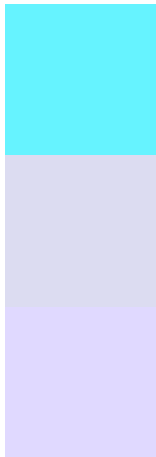


This preview shows how white text looks on a background with the Yxy color 74.1460, 0.2358, 0.3146.

# 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

74.1460, 0.2358, 0.3146

### Protanopia

72.7529, 0.2992, 0.3066

### Deuteranopia

72.6930, 0.2932, 0.2895



## Tritanopia

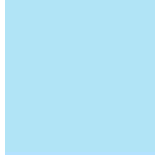
74.1039, 0.2467, 0.3103

# Trichromacy



## Original Color

74.1460, 0.2358, 0.3146



## Protanomaly

71.4877, 0.2698, 0.3085



## Deuteranomaly

71.3160, 0.2665, 0.2967



## Tritanomaly

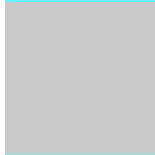
73.7511, 0.2422, 0.3113

# Monochromacy



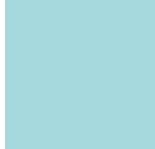
## Original Color

74.1460, 0.2358, 0.3146



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

62.9532, 0.2758, 0.3240

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.1460, 0.2358, 0.3146 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(102, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 243, 255)  
}
```

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(102, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 243, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 74.1460, 0.2358, 0.3146 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(102, 243, 255) }
```

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

```
.border{ border-color:rgb(102, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 243,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.1460, 0.2358, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 243, 255) }
```

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

```
.background{ background-color: rgb(102,  
243, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor