

# Converting Colors

$Yxy(74.5457, 0.2360, 0.3154)$

Have a look what the booklet for  
Yxy(74.5457, 0.2360, 0.3154)  
contains.

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# Color

**Yxy(74.7461, 0.2361, 0.3158)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66F4FF
RGB	102, 244, 255
RGB Percent	40%, 96%, 100%
CMY	0.5997, 0.0431, 0.0001
CMYK	0.60, 0.04, 0.00, 0.00
HSL	184°, 100%, 70%
HSV	184°, 60%, 100%
XYZ	55.8821, 74.7461, 106.0599
YIQ	202.7960, -88.1630, -26.6830

# Conversions

## Conversions Part 2

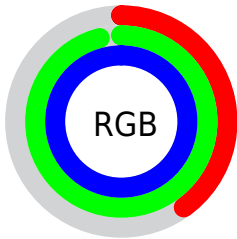
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 176, 255
Decimal	6747391
CIELab	89.27, -34.89, -16.75
CIELCh	89, 38.707, 205.641
Yxy	74.7461, 0.2361, 0.3158
Android (android.graphics.Color)	4284937471 (0xFF66F4FF)
YUV	202.7960, 25.7366, -88.3981
Hunter-Lab	86.4558, -35.9215, -12.2151

# Details

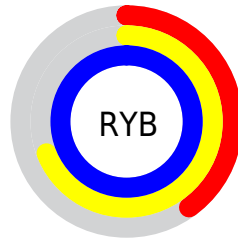
The Yxy color **74.7461, 0.2361, 0.3158** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.0362, 0.4948, 0.3399**, and the grayscale version is **59.4773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **39.6179, 0.2199, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **72.3847, 0.2289, 0.3133**, and if you desaturate by 10%, it is **77.5821, 0.2453, 0.3183**.

# Distribution



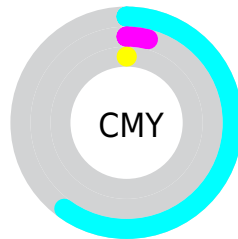
- Red (40%)
- Green (96%)
- Blue (100%)



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



- Cyan (60%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.7461, 0.2361, 0.3158 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 74.7461, 0.2361, 0.3158 by changing the saturation by 10% instead.




 74.7461, 0.2361,  
0.3158

 74.7461, 0.2361,  
0.3158


477.0444, 0.2703,  
0.3229


 55.4049, 0.2286,  
0.3140


 125.9529, 0.2477,  
0.3185

 39.7260, 0.2195,  
0.3116


 158.5873, 0.2523,  
0.3194

 27.3250, 0.2083,  
0.3084

 196.4215, 0.2563,  
0.3203

 17.8174, 0.1942,  
0.3040

239.8400, 0.2598,  
0.3210

 10.8190, 0.1759,  
0.2976

289.2272, 0.2629,  
0.3216

 5.9453, 0.1514,  
0.2876

344.9674, 0.2656,

 2.8118, 0.1177,

0.3221

0.2707

407.4450, 0.2681,  
0.3225

■ 1.0343, 0.0299,  
0.2495

■ 0.0000, 0.0000,  
0.0000

■ 74.7461, 0.2361,  
0.3158

■ 74.7461, 0.2361,  
0.3158

■ 72.3847, 0.2289,  
0.3133

■ 77.5821, 0.2453,  
0.3183

■ 70.4459, 0.2236,  
0.3108

■ 80.9223, 0.2562,  
0.3206

■ 68.8806, 0.2202,  
0.3084

■ 84.8035, 0.2687,  
0.3229

■ 67.6043, 0.2183,  
0.3060

■ 89.2569, 0.2825,  
0.3251

67.5996, 0.2183,  
0.3060

94.3112, 0.2973,  
0.3271

99.9807, 0.3127,  
0.3290

99.9978, 0.3127,  
0.3290

# Harmonies

## Analogous

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



74.7461, 0.2633, 0.3617



74.7461, 0.2361, 0.3158



74.7461, 0.2283, 0.2785

# Triad

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



74.7461, 0.2361, 0.3158



74.7461, 0.3153, 0.2705



74.7461, 0.3875, 0.3999

# Complementary

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



74.7461, 0.2361, 0.3158



34.0362, 0.4948, 0.3399

# 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.



74.7461, 0.4048, 0.3699



74.7461, 0.2361, 0.3158



74.7461, 0.3617, 0.2979

# Square

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



74.7461, 0.2361, 0.3158



74.7461, 0.2714, 0.2561



74.7461, 0.3955, 0.3332



74.7461, 0.3504, 0.4127

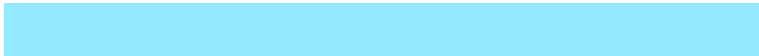


# Rectangle

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



74.7461, 0.2361, 0.3158



74.7461, 0.2343, 0.2629



74.7461, 0.3955, 0.3332



74.7461, 0.3960, 0.3913

# Sweetspot

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



74.7489, 0.2361, 0.3158



90.2272, 0.2854, 0.3255



75.5042, 0.2998, 0.5125



19.0145, 0.2812, 0.3249



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

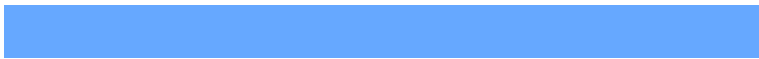
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.7489, 0.2361, 0.3158



71.9781, 0.2276, 0.3128



38.1761, 0.2139, 0.2172



20.2452, 0.2980, 0.3272



35.4273, 0.2185, 0.3064



3.5135, 0.2192, 0.3092



# Inverse Universe

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



37.3047, 0.3295, 0.1972



32.2181, 0.3331, 0.1803



58.4884, 0.4384, 0.4152



18.2766, 0.3149, 0.3072



14.3044, 0.3398, 0.1646

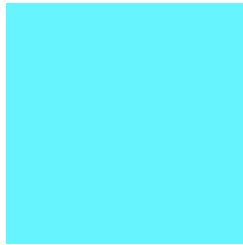


1.3992, 0.3374, 0.1633



# Previews

## White Background



This preview shows how the Yxy color 74.7461, 0.2361, 0.3158 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

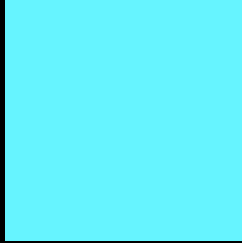
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.7461, 0.2361, 0.3158 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

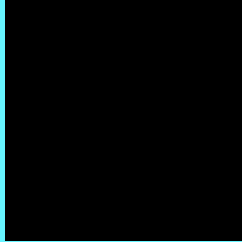
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.7461, 0.2361, 0.3158**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.7461, 0.2361, 0.3158.

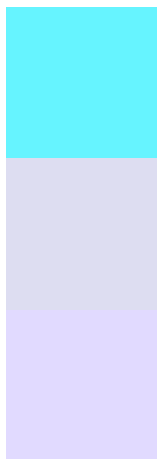


This preview shows how white text looks on a background with the Yxy color 74.7461, 0.2361, 0.3158.

# 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

74.7461, 0.2361, 0.3158

### Protanopia

73.4359, 0.2999, 0.3078

### Deuteranopia

73.3704, 0.2939, 0.2907



## Tritanopia

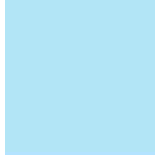
74.4420, 0.2483, 0.3104

# Trichromacy



## Original Color

74.7461, 0.2361, 0.3158



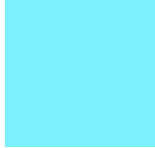
## Protanomaly

72.1574, 0.2705, 0.3097



## Deuteranomaly

71.8615, 0.2667, 0.2978



## Tritanomaly

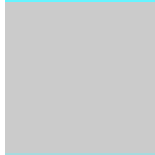
74.5662, 0.2435, 0.3125

# Monochromacy



## Original Color

74.7461, 0.2361, 0.3158



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

63.5237, 0.2754, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.7461, 0.2361, 0.3158 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, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 244, 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, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 244, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 74.7461, 0.2361, 0.3158 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, 244, 255) }
```

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

```
.border{ border-color:rgb(102, 244, 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, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 244,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.7461, 0.2361, 0.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 244, 255) }
```

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

```
.background{ background-color: rgb(102,  
244, 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](#).

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