

# Converting Colors

$Yxy(74.6145, 0.2302, 0.3178)$

Have a look what the booklet for  
Yxy(74.6145, 0.2302, 0.3178)  
contains.

<b>Yxy(74.7512, 0.2303, 0.3180)</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(74.7512, 0.2303, 0.3180)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4EF6FF
RGB	78, 246, 255
RGB Percent	31%, 96%, 100%
CMY	0.6948, 0.0352, 0.0000
CMYK	0.69, 0.04, 0.00, 0.00
HSL	183°, 100%, 65%
HSV	183°, 69%, 100%
XYZ	54.1359, 74.7512, 106.1796
YIQ	196.7940, -103.0170, -32.8170

# Conversions

## Conversions Part 2

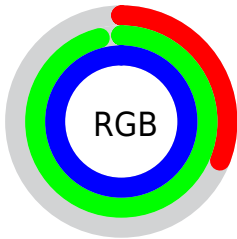
<b>Format</b>	<b>Color</b>
<b>RYB</b>	78, 164, 255
Decimal	5175039
CIELab	89.28, -39.31, -16.82
CIELCh	89, 42.761, 203.163
Yxy	74.7512, 0.2303, 0.3180
Android (android.graphics.Color)	4283365119 (0xFF4EF6FF)
YUV	196.7940, 28.6956, -104.1823
Hunter-Lab	86.4588, -39.5357, -12.2926

# Details

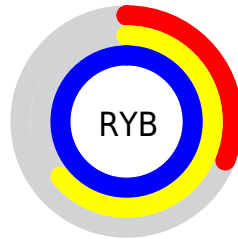
The Yxy color **74.7512, 0.2303, 0.3180** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **28.5922, 0.5421, 0.3369**, and the grayscale version is **55.5471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **40.4724, 0.2208, 0.3147** is the 20% darker color. If you saturate the color by 10%, you get **73.0967, 0.2252, 0.3163**, and if you desaturate by 10%, it is **76.8337, 0.2374, 0.3197**.

# Distribution



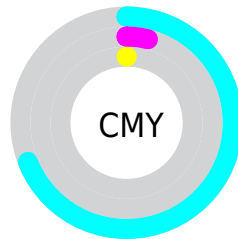
- Red (31%)
- Green (96%)
- Blue (100%)



- Red (31%)
- Yellow (64%)
- Blue (100%)



- Cyan (69%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (69%)
- Magenta (4%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.7512, 0.2303, 0.3180 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 74.7512, 0.2303, 0.3180 by changing the saturation by 10% instead.




 74.7512, 0.2303,  
0.3180

 74.7512, 0.2303,  
0.3180


477.0620, 0.2670,  
0.3243


 55.4091, 0.2223,  
0.3163

 125.9601, 0.2427,  
0.3204


 39.7293, 0.2126,  
0.3141


 158.5957, 0.2477,  
0.3213

 27.3276, 0.2007,  
0.3111


 196.4312, 0.2519,  
0.3220

 17.8194, 0.1857,  
0.3069

 239.8511, 0.2557,  
0.3226

 10.8204, 0.1663,  
0.3006

289.2397, 0.2590,  
0.3231

 5.9462, 0.1407,  
0.2908


344.9815, 0.2620,

 2.8124, 0.1061,


0.3236


0.2738

407.4608, 0.2646,  
0.3239


 1.0346, 0.0040,  
0.2555


 0.0000, 0.0000,  
0.0000


 74.7512, 0.2303,  
0.3180


 74.7512, 0.2303,  
0.3180


 73.0967, 0.2252,  
0.3163

 76.8337, 0.2374,  
0.3197


 71.8104, 0.2220,  
0.3146

 79.3789, 0.2463,  
0.3215

 70.8155, 0.2203,  
0.3129

 82.4275, 0.2571,  
0.3231

 70.7669, 0.2202,  
0.3128

 86.0135, 0.2695,  
0.3248

■ 90.1677, 0.2833,  
0.3263

■ 94.9188, 0.2980,  
0.3277

99.9999, 0.3127,  
0.3290

# Harmonies

## Analogous

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



74.7512, 0.2614, 0.3693



74.7512, 0.2303, 0.3180



74.7512, 0.2201, 0.2758

# Triad

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



74.7512, 0.2303, 0.3180



74.7512, 0.3110, 0.2631



74.7512, 0.3975, 0.4045

# Complementary

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



74.7512, 0.2303, 0.3180



28.5922, 0.5421, 0.3369

# 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.



74.7512, 0.4147, 0.3700



74.7512, 0.2303, 0.3180



74.7512, 0.3628, 0.2919

# Square

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



74.7512, 0.2303, 0.3180



74.7512, 0.2637, 0.2487



74.7512, 0.4021, 0.3297



74.7512, 0.3578, 0.4216

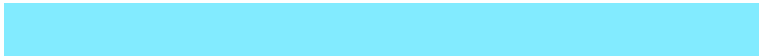


# Rectangle

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



74.7512, 0.2303, 0.3180



74.7512, 0.2255, 0.2578



74.7512, 0.4021, 0.3297



74.7512, 0.4063, 0.3943

# Sweetspot

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



74.7540, 0.2303, 0.3180



89.5003, 0.2811, 0.3261



73.8139, 0.2997, 0.5449



18.9040, 0.2773, 0.3257



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.



74.7540, 0.2303, 0.3180



72.6060, 0.2239, 0.3157



33.1337, 0.2011, 0.2000



20.3143, 0.2980, 0.3277



37.0467, 0.2203, 0.3131



3.6536, 0.2208, 0.3150



# Inverse Universe

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



33.3385, 0.3286, 0.1808



29.5615, 0.3314, 0.1675



52.5724, 0.4646, 0.4212



18.2835, 0.3146, 0.3068



14.4679, 0.3341, 0.1614

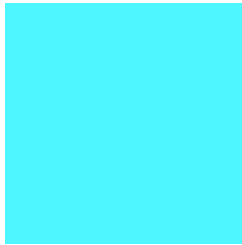


1.4134, 0.3324, 0.1605



# Previews

## White Background



This preview shows how the Yxy color 74.7512, 0.2303, 0.3180 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

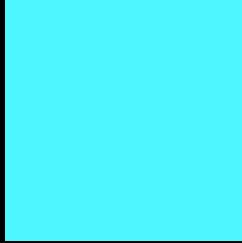
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.7512, 0.2303, 0.3180 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

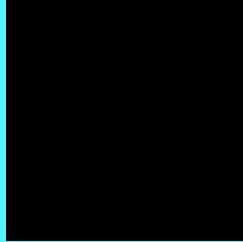
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.7512, 0.2303, 0.3180**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.7512, 0.2303, 0.3180.

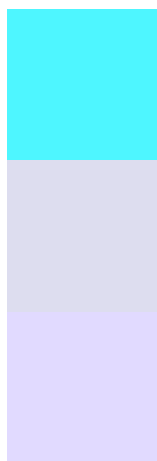


This preview shows how white text looks on a background with the Yxy color 74.7512, 0.2303, 0.3180.

# 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

74.7512, 0.2303, 0.3180

### Protanopia

73.3170, 0.3011, 0.3098

### Deuteranopia

73.3704, 0.2939, 0.2907



## Tritanopia

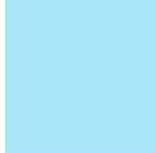
74.0213, 0.2463, 0.3103

# Trichromacy



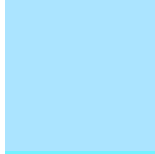
## Original Color

74.7512, 0.2303, 0.3180



## Protanomaly

71.6212, 0.2661, 0.3117



## Deuteranomaly

71.3647, 0.2618, 0.2986



## Tritanomaly

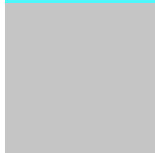
74.3017, 0.2394, 0.3135

# Monochromacy



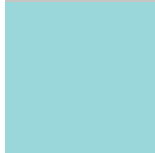
## Original Color

74.7512, 0.2303, 0.3180



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

60.5329, 0.2701, 0.3251

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.7512, 0.2303, 0.3180 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(78, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(78, 246, 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(78, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 246, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 74.7512, 0.2303, 0.3180 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(78, 246, 255) }
```

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

```
.border{ border-color:rgb(78, 246, 255) }
```

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

Here you see how a box with a 4 pixel rgb(78, 246, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(78, 246,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.7512, 0.2303, 0.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 246, 255) }
```

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

```
.background{ background-color: rgb(78, 246,  
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