

# Converting Colors

$Y_{xy}(74.3104, 0.2593, 0.3770)$

Have a look what the booklet for  
Yxy(74.3104, 0.2593, 0.3770)  
contains.

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# Color

**Yxy(74.4400, 0.2591, 0.3767)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EF7D1
RGB	110, 247, 209
RGB Percent	43%, 97%, 82%
CMY	0.5684, 0.0314, 0.1805
CMYK	0.55, 0.00, 0.15, 0.03
HSL	163°, 90%, 70%
HSV	163°, 55%, 97%
XYZ	51.2010, 74.4400, 71.9699
YIQ	201.7050, -69.4540, -40.8620

# Conversions

## Conversions Part 2

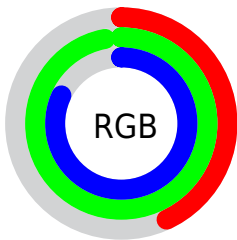
Format	Color
R <sub>Y</sub> B	110, 190, 247
Decimal	7272401
CIE Lab	89.13, -46.31, 7.04
CIE LCh	89, 46.845, 171.356
Yxy	74.4400, 0.2591, 0.3767
Android (android.graphics.Color)	4285462481 (0xFF6EF7D1)
YUV	201.7050, 3.5964, -80.4253
Hunter-Lab	86.2786, -45.0590, 10.9379

# Details

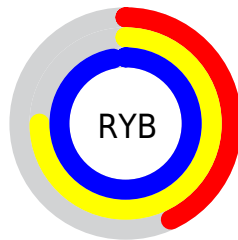
The Yxy color **74.4400, 0.2591, 0.3767** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **33.0785, 0.4316, 0.2896**, and the grayscale version is **58.8871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3979, 0.2657, 0.3289**, and **39.6055, 0.2462, 0.3880** is the 20% darker color. If you saturate the color by 10%, you get **72.7399, 0.2539, 0.3871**, and if you desaturate by 10%, it is **76.6021, 0.2661, 0.3667**.

# Distribution



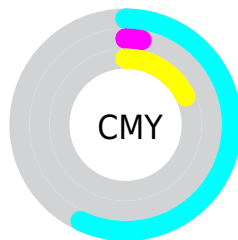
- Red (43%)
- Green (97%)
- Blue (82%)



- Red (43%)
- Yellow (75%)
- Blue (97%)



- Cyan (55%)
- Magenta (0%)
- Yellow (15%)
- Black (3%)



- Cyan (57%)
- Magenta (3%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.4400, 0.2591, 0.3767 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 74.4400, 0.2591, 0.3767 by changing the saturation by 10% instead.




 74.4400, 0.2591,  
0.3767

 74.4400, 0.2591,  
0.3767


475.9906, 0.2840,  
0.3541


 55.1542, 0.2534,  
0.3820


 125.5193, 0.2677,  
0.3688

 39.5252, 0.2464,  
0.3886

 158.0817, 0.2711,  
0.3657

 27.1686, 0.2375,  
0.3970

 195.8384, 0.2740,  
0.3631

 17.6999, 0.2259,  
0.4082

239.1738, 0.2765,  
0.3608

 10.7347, 0.2101,  
0.4237

288.4723, 0.2787,  
0.3588

 5.8887, 0.1877,  
0.4465


344.1184, 0.2807,

 2.7775, 0.1536,


0.3571

0.4832


406.4963, 0.2824,  
0.3555


 1.0167, 0.0000,  
0.6257


 0.0000, 0.0000,  
0.0000


 74.4400, 0.2591,  
0.3767


 74.4400, 0.2591,  
0.3767


 72.7399, 0.2539,  
0.3871


 76.6021, 0.2661,  
0.3667

 71.4552, 0.2507,  
0.3976


 79.2509, 0.2746,  
0.3572


 70.5446, 0.2495,  
0.4083


 82.4197, 0.2844,  
0.3484

 69.9536, 0.2502,  
0.4188

 86.1364, 0.2951,  
0.3402

 69.7533, 0.2510,  
0.4235

 90.4268, 0.3064,  
0.3327

 94.6928, 0.3160,  
0.3260

 95.0027, 0.3131,  
0.3214

# Harmonies

## Analogous

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



74.4400, 0.3102, 0.4201



74.4400, 0.2591, 0.3767



74.4400, 0.2243, 0.3197

# Triad

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



74.4400, 0.2591, 0.3767



74.4400, 0.2564, 0.2415



74.4400, 0.4247, 0.3703

# Complementary

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



74.4400, 0.2591, 0.3767



33.0785, 0.4316, 0.2896

# 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.



74.4400, 0.4090, 0.3266



74.4400, 0.2591, 0.3767



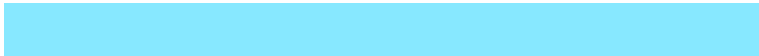
74.4400, 0.3072, 0.2561

# Square

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



74.4400, 0.2591, 0.3767



74.4400, 0.2233, 0.2462



74.4400, 0.3643, 0.2863



74.4400, 0.4072, 0.4090



# Rectangle

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



74.4400, 0.2591, 0.3767



74.4400, 0.2135, 0.2863



74.4400, 0.3643, 0.2863



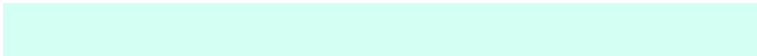
74.4400, 0.4232, 0.3558

# Sweetspot

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



74.4429, 0.2591, 0.3767



91.9338, 0.2933, 0.3414



74.0255, 0.3252, 0.4969



19.4992, 0.2911, 0.3430



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.



74.4429, 0.2591, 0.3767



77.9438, 0.2532, 0.3888



59.8296, 0.2348, 0.2919



18.6747, 0.3018, 0.3357



36.9150, 0.2505, 0.4217



3.2618, 0.2468, 0.4086



# Inverse Universe

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



33.0785, 0.4316, 0.2896



29.2789, 0.4732, 0.2853



39.5773, 0.4599, 0.3603



16.5581, 0.3250, 0.3224



10.7031, 0.5841, 0.2991

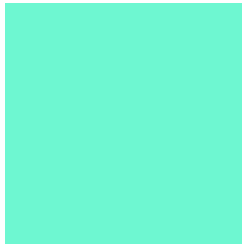


0.9574, 0.5488, 0.2797



# Previews

## White Background



This preview shows how the Yxy color 74.4400, 0.2591, 0.3767 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

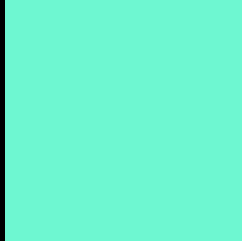
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.4400, 0.2591, 0.3767 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

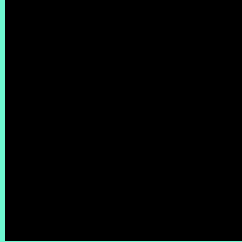
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.4400, 0.2591, 0.3767**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.4400, 0.2591, 0.3767.



This preview shows how white text looks on a background with the Yxy color 74.4400, 0.2591, 0.3767.

# 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

74.4400, 0.2591, 0.3767

### Protanopia

73.3839, 0.3376, 0.3571

### Deuteranopia

73.1516, 0.3350, 0.3280



## Tritanopia

74.2087, 0.2499, 0.3093

# Trichromacy



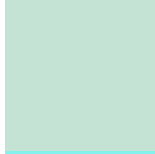
## Original Color

74.4400, 0.2591, 0.3767



## Protanomaly

72.0602, 0.3024, 0.3641



## Deuteranomaly

71.6126, 0.3011, 0.3450



## Tritanomaly

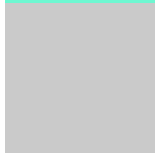
73.9089, 0.2530, 0.3324

# Monochromacy



## Original Color

74.4400, 0.2591, 0.3767



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

62.9856, 0.2873, 0.3450

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.4400, 0.2591, 0.3767 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(110, 247, 209)` looks like.

```
.text, #text, p{  
    color:rgb(110, 247, 209)  
}
```

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(110, 247, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 247, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 74.4400, 0.2591, 0.3767 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(110, 247, 209) }
```

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

```
.border{ border-color:rgb(110, 247, 209) }
```

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

Here you see how a box with a 4 pixel rgb(110, 247, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 247, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 247, 209);  
box-shadow:4px 4px 4px 4px rgb(110, 247,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.4400, 0.2591, 0.3767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 247, 209) }
```

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

```
.background{ background-color: rgb(110,  
247, 209) }
```

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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