

# Converting Colors

$Y_{xy}(74.0922, 0.2594, 0.3721)$

Have a look what the booklet for  
Yxy(74.0922, 0.2594, 0.3721)  
contains.

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# Color

**Yxy(74.1921, 0.2595, 0.3727)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72F6D3
RGB	114, 246, 211
RGB Percent	45%, 96%, 83%
CMY	0.5527, 0.0353, 0.1726
CMYK	0.54, 0.00, 0.14, 0.04
HSL	164°, 88%, 71%
HSV	164°, 54%, 96%
XYZ	51.6578, 74.1921, 73.2167
YIQ	202.5420, -67.4370, -38.8690

# Conversions

## Conversions Part 2

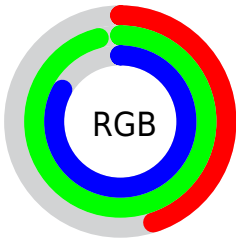
Format	Color
<a href="#">RYB</a>	<a href="#">114, 190, 246</a>
Decimal	<a href="#">7534291</a>
CIELab	<a href="#">89.01, -44.60, 5.84</a>
CIELCh	<a href="#">89, 44.984, 172.542</a>
Yxy	<a href="#">74.1921, 0.2595, 0.3727</a>
Android (android.graphics.Color)	<a href="#">4285724371</a> ( <a href="#">0xFF72F6D3</a> )
YUV	<a href="#">202.5420, 4.1698, -77.6513</a>
Hunter-Lab	<a href="#">86.1348, -43.6839, 9.8965</a>

# Details

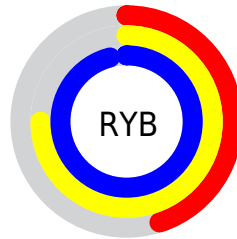
The Yxy color **74.1921, 0.2595, 0.3727** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **33.8148, 0.4276, 0.2924**, and the grayscale version is **59.4353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7387, 0.2671, 0.3289**, and **39.4104, 0.2467, 0.3827** is the 20% darker color. If you saturate the color by 10%, you get **72.4394, 0.2539, 0.3825**, and if you desaturate by 10%, it is **76.4076, 0.2669, 0.3633**.

# Distribution



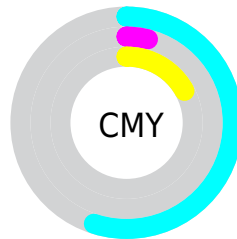
- Red (45%)
- Green (96%)
- Blue (83%)



- Red (45%)
- Yellow (75%)
- Blue (96%)



- Cyan (54%)
- Magenta (0%)
- Yellow (14%)
- Black (4%)




- Cyan (55%)
- Magenta (4%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.1921, 0.2595, 0.3727 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 74.1921, 0.2595, 0.3727 by changing the saturation by 10% instead.




 74.1921, 0.2595,  
0.3727

 74.1921, 0.2595,  
0.3727


475.1361, 0.2842,  
0.3521

 54.9513, 0.2539,  
0.3775


 125.1681, 0.2681,  
0.3655

 39.3627, 0.2469,  
0.3835

 157.6720, 0.2714,  
0.3627

 27.0420, 0.2381,  
0.3911


 195.3658, 0.2742,  
0.3603

 17.6048, 0.2267,  
0.4012

238.6338, 0.2767,  
0.3582

 10.6666, 0.2112,  
0.4152

287.8605, 0.2789,  
0.3564

 5.8431, 0.1891,  
0.4357


343.4302, 0.2809,

 2.7499, 0.1557,


0.3548


0.4684


405.7272, 0.2826,  
0.3534


 1.0026, 0.0000,  
0.5965


 0.0000, 0.0000,  
0.0000


 74.1921, 0.2595,  
0.3727


 74.1921, 0.2595,  
0.3727


 72.4394, 0.2539,  
0.3825


 76.4076, 0.2669,  
0.3633


 71.1039, 0.2502,  
0.3925


 79.1095, 0.2758,  
0.3543

 70.1465, 0.2485,  
0.4026

 82.3304, 0.2859,  
0.3460

 69.5154, 0.2488,  
0.4126

 86.0974, 0.2969,  
0.3383

 69.2352, 0.2497,  
0.4190

 90.4357, 0.3084,  
0.3314

 94.0825, 0.3160,  
0.3250

 94.3906, 0.3131,  
0.3204

# Harmonies

## Analogous

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



74.1921, 0.3084, 0.4151



74.1921, 0.2595, 0.3727



74.1921, 0.2266, 0.3182

# Triad

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



74.1921, 0.2595, 0.3727



74.1921, 0.2602, 0.2447



74.1921, 0.4203, 0.3708

# Complementary

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



74.1921, 0.2595, 0.3727



33.8148, 0.4276, 0.2924

# 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.



74.1921, 0.4064, 0.3286



74.1921, 0.2595, 0.3727



74.1921, 0.3097, 0.2594

# Square

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



74.1921, 0.2595, 0.3727



74.1921, 0.2273, 0.2486



74.1921, 0.3644, 0.2892



74.1921, 0.4025, 0.4075



# Rectangle

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



74.1921, 0.2595, 0.3727



74.1921, 0.2167, 0.2864



74.1921, 0.3644, 0.2892



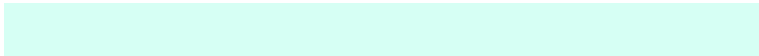
74.1921, 0.4193, 0.3569

# Sweetspot

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



74.1950, 0.2595, 0.3727



92.3884, 0.2942, 0.3401



73.5400, 0.3239, 0.4917



19.5903, 0.2919, 0.3417



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.



74.1950, 0.2595, 0.3727



78.5229, 0.2536, 0.3830



58.9459, 0.2362, 0.2905



18.6783, 0.3016, 0.3354



36.9801, 0.2493, 0.4173



3.2671, 0.2458, 0.4048



# Inverse Universe

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



33.8148, 0.4276, 0.2924



30.6320, 0.4649, 0.2881



41.0144, 0.4514, 0.3619



16.5547, 0.3252, 0.3227



10.6830, 0.5882, 0.3014

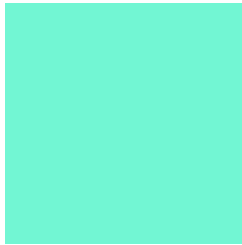


0.9553, 0.5530, 0.2820



# Previews

## White Background



This preview shows how the Yxy color 74.1921, 0.2595, 0.3727 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

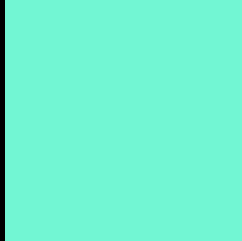
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.1921, 0.2595, 0.3727 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 74.1921, 0.2595, 0.3727**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.1921, 0.2595, 0.3727.

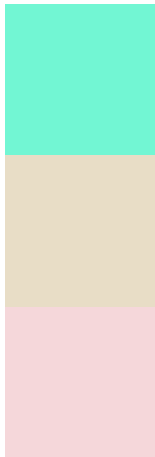


This preview shows how white text looks on a background with the Yxy color 74.1921, 0.2595, 0.3727.

# 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

74.1921, 0.2595, 0.3727

### Protanopia

72.9459, 0.3363, 0.3539

### Deuteranopia

73.0753, 0.3328, 0.3260



## Tritanopia

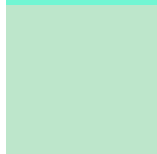
74.2087, 0.2499, 0.3093

# Trichromacy



## Original Color

74.1921, 0.2595, 0.3727



## Protanomaly

71.7242, 0.3019, 0.3605



## Deuteranomaly

71.1693, 0.2999, 0.3415



## Tritanomaly

74.0481, 0.2529, 0.3312

# Monochromacy



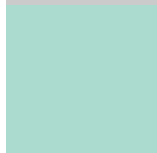
## Original Color

74.1921, 0.2595, 0.3727



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

63.7772, 0.2880, 0.3449

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.1921, 0.2595, 0.3727 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(114, 246, 211)` looks like.

```
.text, #text, p{  
    color:rgb(114, 246, 211)  
}
```

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(114, 246, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 246, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 74.1921, 0.2595, 0.3727 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(114, 246, 211) }
```

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

```
.border{ border-color:rgb(114, 246, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 246, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 246, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 246, 211);  
box-shadow:4px 4px 4px 4px rgb(114, 246,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.1921, 0.2595, 0.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 246, 211) }
```

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

```
.background{ background-color: rgb(114,  
246, 211) }
```

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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