

# Converting Colors

$Yxy(73.5292, 0.2391, 0.3192)$

Have a look what the booklet for  
Yxy(73.5292, 0.2391, 0.3192)  
contains.

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# Color

**Yxy(73.5322, 0.2391, 0.3192)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BF2FA
RGB	107, 242, 250
RGB Percent	42%, 95%, 98%
CMY	0.5801, 0.0510, 0.0195
CMYK	0.57, 0.03, 0.00, 0.02
HSL	183°, 93%, 70%
HSV	183°, 57%, 98%
XYZ	55.0800, 73.5322, 101.7518
YIQ	202.5470, -83.0280, -26.1320

# Conversions

## Conversions Part 2

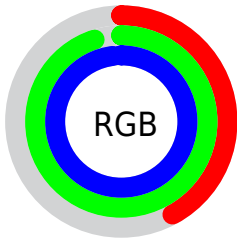
<b>Format</b>	<b>Color</b>
<b>RYB</b>	107, 176, 250
Decimal	7074554
CIELab	88.70, -34.44, -15.02
CIELCh	89, 37.570, 203.558
Yxy	73.5322, 0.2391, 0.3192
Android (android.graphics.Color)	4285264634 (0xFF6BF2FA)
YUV	202.5470, 23.3943, -83.7947
Hunter-Lab	85.7509, -35.4089, -10.3277

# Details

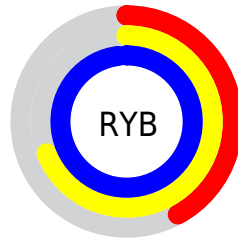
The Yxy color **73.5322, 0.2391, 0.3192** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.6779, 0.4833, 0.3374**, and the grayscale version is **59.3263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **38.7751, 0.2226, 0.3145** is the 20% darker color. If you saturate the color by 10%, you get **71.3686, 0.2315, 0.3173**, and if you desaturate by 10%, it is **76.1557, 0.2486, 0.3211**.

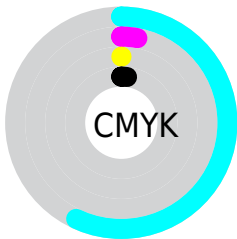
# Distribution



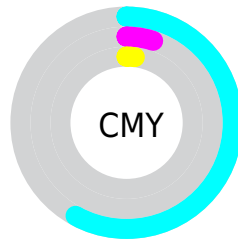
- Red (42%)
- Green (95%)
- Blue (98%)



- Red (42%)
- Yellow (69%)
- Blue (98%)



- Cyan (57%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)




- Cyan (58%)
- Magenta (5%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5322, 0.2391, 0.3192 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 73.5322, 0.2391, 0.3192 by changing the saturation by 10% instead.





 73.5322, 0.2391,  
0.3192


 73.5322, 0.2391,  
0.3192


472.8573, 0.2722,  
0.3247


 54.4112, 0.2318,  
0.3177


 124.2324, 0.2504,  
0.3213

 38.9305, 0.2230,  
0.3158


 156.5805, 0.2548,  
0.3220

 26.7057, 0.2120,  
0.3132


 194.1064, 0.2586,  
0.3227

 17.3523, 0.1981,  
0.3096

237.1946, 0.2620,  
0.3232

 10.4860, 0.1800,  
0.3041

286.2293, 0.2650,  
0.3237

 5.7224, 0.1556,  
0.2955

341.5951, 0.2677,

 2.6770, 0.1216,

0.3241

403.6763, 0.2700,  
0.3244

0.2805

0.9655, 0.0205,  
0.2651

0.0000, 0.0000,  
0.0000

73.5322, 0.2391,  
0.3192

73.5322, 0.2391,  
0.3192

71.3686, 0.2315,  
0.3173

76.1557, 0.2486,  
0.3211

69.6169, 0.2259,  
0.3154


79.2660, 0.2598,  
0.3230

68.2330, 0.2222,  
0.3134

82.8972, 0.2726,  
0.3247


67.1566, 0.2202,  
0.3116

87.0785, 0.2866,  
0.3264


 66.8821, 0.2197,  
0.3111

 91.8366, 0.3016,  
0.3280

 96.7975, 0.3158,  
0.3294

 97.6757, 0.3158,  
0.3307

 98.5604, 0.3157,  
0.3321

 99.4517, 0.3156,  
0.3334

# Harmonies

## Analogous

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



73.5322, 0.2670, 0.3639



73.5322, 0.2391, 0.3192



73.5322, 0.2300, 0.2818

# Triad

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



73.5322, 0.2391, 0.3192



73.5322, 0.3121, 0.2703



73.5322, 0.3877, 0.3967

# Complementary

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



73.5322, 0.2391, 0.3192



33.6779, 0.4833, 0.3374

# 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.



73.5322, 0.4029, 0.3667



73.5322, 0.2391, 0.3192



73.5322, 0.3576, 0.2964

# Square

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



73.5322, 0.2391, 0.3192



73.5322, 0.2698, 0.2573



73.5322, 0.3919, 0.3307



73.5322, 0.3526, 0.4106

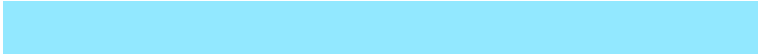


# Rectangle

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



73.5322, 0.2391, 0.3192



73.5322, 0.2351, 0.2656



73.5322, 0.3919, 0.3307



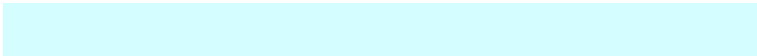
73.5322, 0.3954, 0.3880

# Sweetspot

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



73.5350, 0.2391, 0.3192



91.1410, 0.2868, 0.3264



72.7373, 0.3012, 0.5058



19.3091, 0.2839, 0.3261



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.



73.5350, 0.2391, 0.3192



74.2588, 0.2303, 0.3169



39.3128, 0.2191, 0.2268



19.4316, 0.2980, 0.3276



35.5412, 0.2198, 0.3114



3.3412, 0.2205, 0.3136



# Inverse Universe

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



37.2705, 0.3265, 0.2004



33.4588, 0.3295, 0.1821



56.3827, 0.4329, 0.4096



17.5067, 0.3147, 0.3069



13.9988, 0.3355, 0.1622

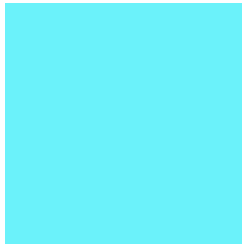


1.3015, 0.3336, 0.1612



# Previews

## White Background



This preview shows how the Yxy color 73.5322, 0.2391, 0.3192 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

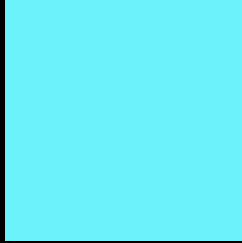
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.5322, 0.2391, 0.3192 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

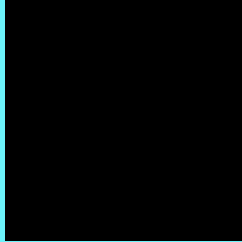
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.5322, 0.2391, 0.3192**

## Background



This preview shows how black text looks on a background with the Yxy color 73.5322, 0.2391, 0.3192.

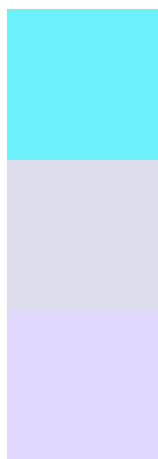


This preview shows how white text looks on a background with the Yxy color 73.5322, 0.2391, 0.3192.

# 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

73.5322, 0.2391, 0.3192

### Protanopia

72.6147, 0.3030, 0.3119

### Deuteranopia

72.5005, 0.2945, 0.2886



## **Tritanopia**

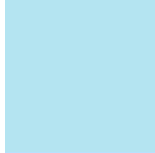
73.3556, 0.2456, 0.3091

# Trichromacy



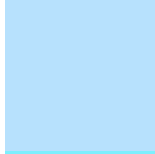
## Original Color

73.5322, 0.2391, 0.3192



## Protanomaly

71.5410, 0.2742, 0.3142



## Deuteranomaly

71.0096, 0.2692, 0.2978



## Tritanomaly

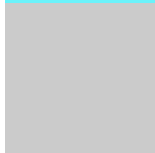
73.1099, 0.2431, 0.3124

# Monochromacy



## Original Color

73.5322, 0.2391, 0.3192



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

63.1178, 0.2777, 0.3253

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.5322, 0.2391, 0.3192 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(107, 242, 250)` looks like.

```
.text, #text, p{  
    color:rgb(107, 242, 250)  
}
```

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(107, 242, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 242, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 73.5322, 0.2391, 0.3192 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(107, 242, 250) }
```

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

```
.border{ border-color:rgb(107, 242, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 242, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 242, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 242, 250);  
box-shadow:4px 4px 4px 4px rgb(107, 242,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.5322, 0.2391, 0.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 242, 250) }
```

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

```
.background{ background-color: rgb(107,  
242, 250) }
```

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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