

# Converting Colors

$Y_{xy}(70.6739, 0.2396, 0.3305)$

Have a look what the booklet for  
Yxy(70.6739, 0.2396, 0.3305)  
contains.

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# Color

**Yxy(70.9261, 0.2396, 0.3313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FF0EE
RGB	95, 240, 238
RGB Percent	37%, 94%, 93%
CMY	0.6282, 0.0587, 0.0667
CMYK	0.61, 0.00, 0.01, 0.06
HSL	179°, 83%, 66%
HSV	179°, 61%, 94%
XYZ	51.2946, 70.9261, 91.8635
YIQ	196.4170, -85.7780, -31.3620

# Conversions

## Conversions Part 2

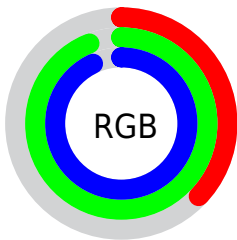
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	95, 168, 240
Decimal	6287598
CIE Lab	87.45, -38.82, -10.62
CIE LCh	87, 40.247, 195.304
Yxy	70.9261, 0.2396, 0.3313
Android (android.graphics.Color)	4284477678 (0xFF5FF0EE)
YUV	196.4170, 20.5004, -88.9427
Hunter-Lab	84.2176, -38.6616, -5.7204

# Details

The Yxy color **70.9261, 0.2396, 0.3313** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **27.5388, 0.5016, 0.3276**, and the grayscale version is **55.3488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **37.2444, 0.2251, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **69.8187, 0.2335, 0.3317**, and if you desaturate by 10%, it is **72.4345, 0.2477, 0.3309**.

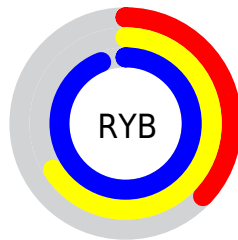
# Distribution



Red (37%)

Green (94%)

Blue (93%)



Red (37%)

Yellow (66%)

Blue (94%)

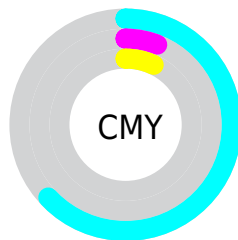


Cyan (61%)

Magenta (0%)

Yellow (1%)

Black (6%)



Cyan (63%)

Magenta (6%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9261, 0.2396, 0.3313 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 70.9261, 0.2396, 0.3313 by changing the saturation by 10% instead.




 70.9261, 0.2396,  
0.3313


 70.9261, 0.2396,  
0.3313


463.7951, 0.2728,  
0.3311


 52.2819, 0.2322,  
0.3311


 120.5285, 0.2510,  
0.3314

 37.2298, 0.2232,  
0.3308


 152.2555, 0.2554,  
0.3314

 25.3855, 0.2120,  
0.3302


 189.1122, 0.2593,  
0.3314

 16.3645, 0.1976,  
0.3291

231.4829, 0.2627,  
0.3313

 9.7824, 0.1787,  
0.3271

279.7522, 0.2656,  
0.3313

 5.2549, 0.1530,  
0.3232

334.3044, 0.2683,

 2.3976, 0.1167,

0.3312

0.3146

395.5239, 0.2707,  
0.3312

0.8247, 0.0000,  
0.3129

0.0000, 0.0000,  
0.0000

70.9261, 0.2396,  
0.3313

70.9261, 0.2396,  
0.3313

69.8187, 0.2335,  
0.3317

72.4345, 0.2477,  
0.3309

69.0664, 0.2292,  
0.3322


74.3687, 0.2577,  
0.3304


68.6269, 0.2268,  
0.3326


76.7609, 0.2693,  
0.3300


68.4284, 0.2259,  
0.3331


79.6381, 0.2825,  
0.3297

 83.0251, 0.2968,  
0.3293

 86.9450, 0.3119,  
0.3290

 89.9058, 0.3224,  
0.3287

 89.9259, 0.3222,  
0.3284

 89.9460, 0.3220,  
0.3281

# Harmonies

## Analogous

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



70.9261, 0.2742, 0.3795



70.9261, 0.2396, 0.3313



70.9261, 0.2242, 0.2872

# Triad

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



70.9261, 0.2396, 0.3313



70.9261, 0.2983, 0.2605



70.9261, 0.4009, 0.3941

# Complementary

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



70.9261, 0.2396, 0.3313



27.5388, 0.5016, 0.3276

# 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.



70.9261, 0.4101, 0.3587



70.9261, 0.2396, 0.3313



70.9261, 0.3482, 0.2850

# Square

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



70.9261, 0.2396, 0.3313



70.9261, 0.2559, 0.2509



70.9261, 0.3905, 0.3198



70.9261, 0.3675, 0.4157

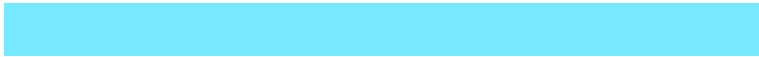


# Rectangle

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



70.9261, 0.2396, 0.3313



70.9261, 0.2257, 0.2665



70.9261, 0.3905, 0.3198



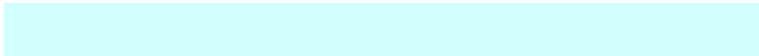
70.9261, 0.4071, 0.3833

# Sweetspot

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



70.9288, 0.2396, 0.3313



92.2685, 0.2859, 0.3296



65.7106, 0.3046, 0.5243



19.5214, 0.2818, 0.3297



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.



70.9288, 0.2396, 0.3313



79.8326, 0.2321, 0.3319



37.4026, 0.2173, 0.2337



17.9249, 0.2983, 0.3293



37.4522, 0.2258, 0.3330



3.1169, 0.2257, 0.3324



# Inverse Universe

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



27.5388, 0.5016, 0.3276



25.9587, 0.5622, 0.3279



46.2602, 0.4486, 0.4033



15.7624, 0.3291, 0.3287



10.1467, 0.6386, 0.3291

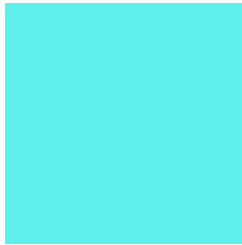


0.8454, 0.6346, 0.3270



# Previews

## White Background



This preview shows how the Yxy color 70.9261, 0.2396, 0.3313 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

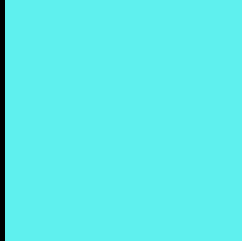
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.9261, 0.2396, 0.3313 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

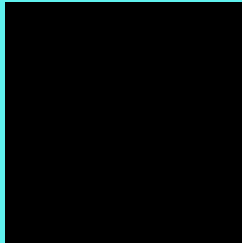
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.9261, 0.2396, 0.3313**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.9261, 0.2396, 0.3313.

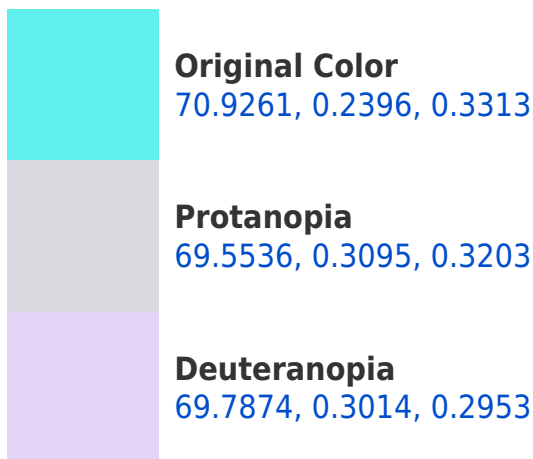


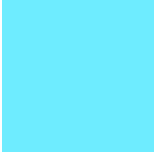
This preview shows how white text looks on a background with the Yxy color 70.9261, 0.2396, 0.3313.

# 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





## **Tritanopia**

70.5259, 0.2365, 0.3062

# Trichromacy



## Original Color

70.9261, 0.2396, 0.3313



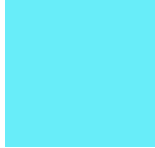
## Protanomaly

68.5062, 0.2770, 0.3242



## Deuteranomaly

68.1183, 0.2718, 0.3060



## Tritanomaly

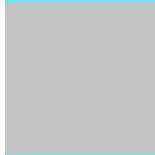
70.3510, 0.2372, 0.3143

# Monochromacy



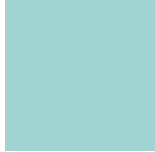
## Original Color

70.9261, 0.2396, 0.3313



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

59.1610, 0.2768, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.9261, 0.2396, 0.3313 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(95, 240, 238)` looks like.

```
.text, #text, p{  
    color:rgb(95, 240, 238)  
}
```

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(95, 240, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 240, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 70.9261, 0.2396, 0.3313 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(95, 240, 238) }
```

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

```
.border{ border-color:rgb(95, 240, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 240, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 240, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 240, 238);  
box-shadow:4px 4px 4px 4px rgb(95, 240,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.9261, 0.2396, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 240, 238) }
```

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

```
.background{ background-color: rgb(95, 240,  
238) }
```

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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