

# Converting Colors

$Yxy(68.2196, 0.2374, 0.3315)$

Have a look what the booklet for  
Yxy(68.2196, 0.2374, 0.3315)  
contains.

<b>Yxy(68.4873, 0.2378, 0.3326)</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(68.4873, 0.2378, 0.3326)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56EDEA
RGB	86, 237, 234
RGB Percent	34%, 93%, 92%
CMY	0.6629, 0.0705, 0.0824
CMYK	0.64, 0.00, 0.01, 0.07
HSL	179°, 81%, 63%
HSV	179°, 64%, 93%
XYZ	48.9666, 68.4873, 88.4610
YIQ	191.5090, -89.0330, -32.9450

# Conversions

## Conversions Part 2

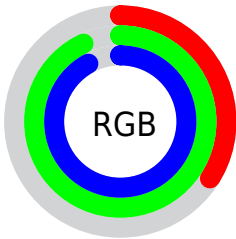
Format	Color
<b>RYB</b>	86, 162, 237
Decimal	5697002
CIELab	86.25, -39.90, -10.33
CIELCh	86, 41.219, 194.512
Yxy	68.4873, 0.2378, 0.3326
Android (android.graphics.Color)	4283887082 (0xFF56EDEA)
YUV	191.5090, 20.9481, -92.5314
Hunter-Lab	82.7571, -39.2081, -5.4466

# Details

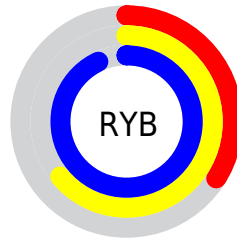
The Yxy color **68.4873, 0.2378, 0.3326** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **25.3757, 0.5157, 0.3267**, and the grayscale version is **52.3193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **35.8569, 0.2256, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **67.5186, 0.2323, 0.3333**, and if you desaturate by 10%, it is **69.8340, 0.2452, 0.3320**.

# Distribution



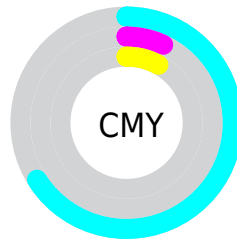
- Red (34%)
- Green (93%)
- Blue (92%)



- Red (34%)
- Yellow (64%)
- Blue (93%)



- Cyan (64%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)




- Cyan (66%)
- Magenta (7%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4873, 0.2378, 0.3326 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 68.4873, 0.2378, 0.3326 by changing the saturation by 10% instead.



 68.4873, 0.2378,  
0.3326


 68.4873, 0.2378,  
0.3326


455.2206, 0.2720,  
0.3318


 50.2943, 0.2301,  
0.3325

 117.0490, 0.2495,  
0.3325


 35.6473, 0.2208,  
0.3324


 148.1864, 0.2542,  
0.3324

 24.1619, 0.2091,  
0.3319


 184.4075, 0.2581,  
0.3323

 15.4538, 0.1941,  
0.3310

 226.0966, 0.2616,  
0.3322

 9.1385, 0.1743,  
0.3292

273.6380, 0.2647,  
0.3321

 4.8316, 0.1473,  
0.3254

327.4162, 0.2674,

 2.1488, 0.1084,

0.3320

0.3167

387.8156, 0.2698,  
0.3319

0.6919, 0.0000,  
0.3057

0.0000, 0.0000,  
0.0000

68.4873, 0.2378,  
0.3326

68.4873, 0.2378,  
0.3326

67.5186, 0.2323,  
0.3333

69.8340, 0.2452,  
0.3320

66.8817, 0.2287,  
0.3339


71.5841, 0.2546,  
0.3313


66.5322, 0.2269,  
0.3345

73.7700, 0.2657,  
0.3307

66.4149, 0.2264,  
0.3349


76.4183, 0.2783,  
0.3302

 79.5538, 0.2922,  
0.3296

 83.1994, 0.3070,  
0.3292

 87.3767, 0.3225,  
0.3287

 87.9949, 0.3243,  
0.3283

 88.0229, 0.3240,  
0.3278

# Harmonies

## Analogous

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



68.4873, 0.2740, 0.3827



68.4873, 0.2378, 0.3326



68.4873, 0.2214, 0.2866

# Triad

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



68.4873, 0.2378, 0.3326



68.4873, 0.2964, 0.2578



68.4873, 0.4046, 0.3953

# Complementary

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



68.4873, 0.2378, 0.3326



25.3757, 0.5157, 0.3267

# 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.



68.4873, 0.4135, 0.3584



68.4873, 0.2378, 0.3326



68.4873, 0.3481, 0.2827

# Square

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



68.4873, 0.2378, 0.3326



68.4873, 0.2530, 0.2483



68.4873, 0.3924, 0.3184



68.4873, 0.3705, 0.4185

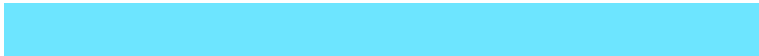


# Rectangle

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



68.4873, 0.2378, 0.3326



68.4873, 0.2226, 0.2650



68.4873, 0.3924, 0.3184



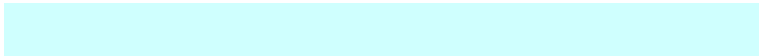
68.4873, 0.4108, 0.3839

# Sweetspot

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



68.4899, 0.2378, 0.3326



91.8781, 0.2846, 0.3299



63.4693, 0.3052, 0.5339



19.4446, 0.2807, 0.3301



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.



68.4899, 0.2378, 0.3326



79.4902, 0.2312, 0.3334



35.5523, 0.2138, 0.2314



17.1164, 0.2984, 0.3294



36.2589, 0.2264, 0.3348



2.8489, 0.2261, 0.3339



# Inverse Universe

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



25.3757, 0.5157, 0.3267



25.0016, 0.5742, 0.3272



42.6048, 0.4598, 0.4033



15.0590, 0.3290, 0.3286



9.8378, 0.6379, 0.3288

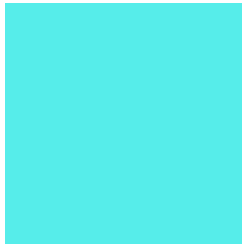


0.7742, 0.6320, 0.3255



# Previews

## White Background



This preview shows how the Yxy color 68.4873, 0.2378, 0.3326 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

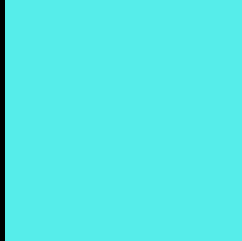
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.4873, 0.2378, 0.3326 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

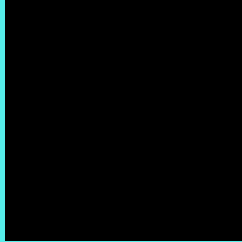
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.4873, 0.2378, 0.3326**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.4873, 0.2378, 0.3326.

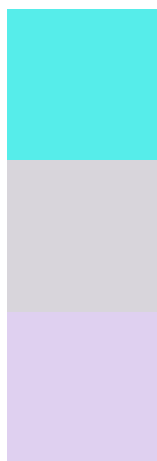


This preview shows how white text looks on a background with the Yxy color 68.4873, 0.2378, 0.3326.

# 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

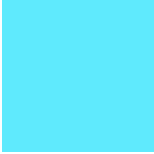
68.4873, 0.2378, 0.3326

### Protanopia

67.3019, 0.3108, 0.3223

### Deuteranopia

67.0910, 0.3019, 0.2948



## **Tritanopia**

68.3704, 0.2319, 0.3057

# Trichromacy



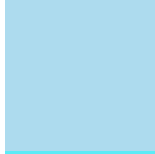
## Original Color

68.4873, 0.2378, 0.3326



## Protanomaly

66.0594, 0.2765, 0.3265



## Deuteranomaly

65.7203, 0.2707, 0.3068



## Tritanomaly

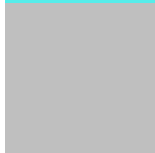
68.3458, 0.2341, 0.3152

# Monochromacy



## Original Color

68.4873, 0.2378, 0.3326



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

56.3890, 0.2749, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.4873, 0.2378, 0.3326 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(86, 237, 234)` looks like.

```
.text, #text, p{  
    color:rgb(86, 237, 234)  
}
```

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(86, 237, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 237, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 68.4873, 0.2378, 0.3326 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(86, 237, 234) }
```

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

```
.border{ border-color:rgb(86, 237, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 237, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 237, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 237, 234);  
box-shadow:4px 4px 4px 4px rgb(86, 237,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.4873, 0.2378, 0.3326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 237, 234) }
```

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

```
.background{ background-color: rgb(86, 237,  
234) }
```

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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