

# Converting Colors

$Yxy(67.6963, 0.2403, 0.3322)$

Have a look what the booklet for  
Yxy(67.6963, 0.2403, 0.3322)  
contains.

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# Color

**Yxy(67.6225, 0.2404, 0.3326)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EEBE8
RGB	94, 235, 232
RGB Percent	37%, 92%, 91%
CMY	0.6320, 0.0784, 0.0902
CMYK	0.60, 0.00, 0.01, 0.08
HSL	179°, 78%, 64%
HSV	179°, 60%, 92%
XYZ	48.8769, 67.6225, 86.8154
YIQ	192.4990, -83.0730, -30.8250

# Conversions

## Conversions Part 2

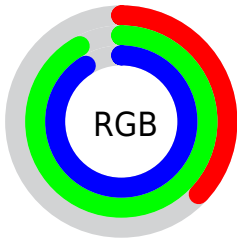
Format	Color
R <sub>Y</sub> B	94, 165, 235
Decimal	6220776
CIE Lab	85.82, -38.29, -9.91
CIE LCh	86, 39.547, 194.511
Yxy	67.6225, 0.2404, 0.3326
Android (android.graphics.Color)	4284410856 (0xFF5EEBE8)
YUV	192.4990, 19.4740, -86.3836
Hunter-Lab	82.2329, -37.8123, -5.0310

# Details

The Yxy color **67.6225, 0.2404, 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 **26.5041, 0.4978, 0.3265**, and the grayscale version is **52.9171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **35.3748, 0.2261, 0.3338** is the 20% darker color. If you saturate the color by 10%, you get **66.5399, 0.2342, 0.3333**, and if you desaturate by 10%, it is **69.0882, 0.2485, 0.3319**.

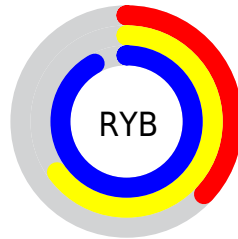
# Distribution



Red (37%)

Green (92%)

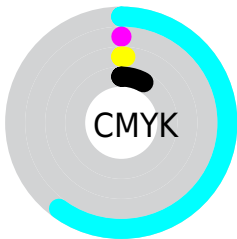
Blue (91%)



Red (37%)

Yellow (65%)

Blue (92%)

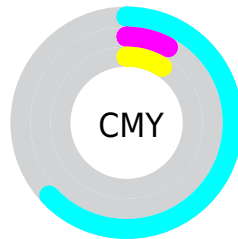


Cyan (60%)

Magenta (0%)

Yellow (1%)

Black (8%)



Cyan (63%)

Magenta (8%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6225, 0.2404, 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 67.6225, 0.2404, 0.3326 by changing the saturation by 10% instead.





 67.6225, 0.2404,  
0.3326

 67.6225, 0.2404,  
0.3326


452.1574, 0.2735,  
0.3318


 49.5907, 0.2330,  
0.3326


 115.8119, 0.2518,  
0.3325


 35.0883, 0.2238,  
0.3324


 146.7383, 0.2563,  
0.3324

 23.7309, 0.2124,  
0.3321


 182.7317, 0.2601,  
0.3323

 15.1341, 0.1977,  
0.3313

 224.1765, 0.2635,  
0.3322

 8.9136, 0.1782,  
0.3297

271.4571, 0.2664,  
0.3321

 4.6848, 0.1514,  
0.3261

324.9578, 0.2691,

 2.0636, 0.1124,

0.3320

0.3179

385.0631, 0.2714,  
0.3319

0.6440, 0.0000,  
0.3059

0.0000, 0.0000,  
0.0000

67.6225, 0.2404,  
0.3326

67.6225, 0.2404,  
0.3326

66.5399, 0.2342,  
0.3333

69.0882, 0.2485,  
0.3319

65.7971, 0.2300,  
0.3340


70.9605, 0.2585,  
0.3313

65.3543, 0.2275,  
0.3347


73.2697, 0.2702,  
0.3306


65.1399, 0.2265,  
0.3354

76.0414, 0.2833,  
0.3300

 79.2991, 0.2975,  
0.3295

 83.0646, 0.3126,  
0.3290

 86.7158, 0.3259,  
0.3285

 86.7451, 0.3256,  
0.3281

 86.7744, 0.3253,  
0.3276

# Harmonies

## Analogous

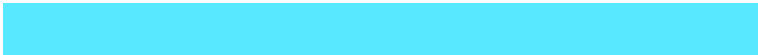
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.6225, 0.2754, 0.3806



67.6225, 0.2404, 0.3326



67.6225, 0.2245, 0.2882

# Triad

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



67.6225, 0.2404, 0.3326



67.6225, 0.2971, 0.2601



67.6225, 0.4014, 0.3932

# Complementary

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



67.6225, 0.2404, 0.3326



26.5041, 0.4978, 0.3265

# 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.



67.6225, 0.4098, 0.3577



67.6225, 0.2404, 0.3326



67.6225, 0.3469, 0.2843

# Square

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



67.6225, 0.2404, 0.3326



67.6225, 0.2551, 0.2510



67.6225, 0.3895, 0.3189



67.6225, 0.3686, 0.4153

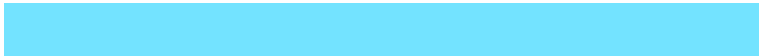


# Rectangle

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



67.6225, 0.2404, 0.3326



67.6225, 0.2256, 0.2673



67.6225, 0.3895, 0.3189



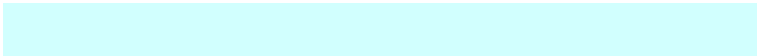
67.6225, 0.4073, 0.3823

# Sweetspot

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



67.6251, 0.2404, 0.3326



92.2467, 0.2860, 0.3299



62.8605, 0.3058, 0.5220



19.5160, 0.2820, 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.



67.6251, 0.2404, 0.3326



79.8440, 0.2331, 0.3335



36.7982, 0.2188, 0.2381



17.1160, 0.2984, 0.3295



36.2493, 0.2265, 0.3352



2.8482, 0.2262, 0.3343



# Inverse Universe

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



26.5041, 0.4978, 0.3265



26.3301, 0.5561, 0.3268



43.5178, 0.4490, 0.4003



15.0593, 0.3290, 0.3285



9.8383, 0.6378, 0.3287



0.7744, 0.6315, 0.3252



# Previews

## White Background



This preview shows how the Yxy color 67.6225, 0.2404, 0.3326 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

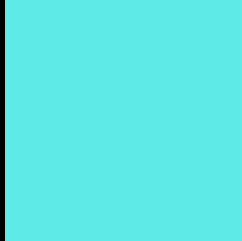
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.6225, 0.2404, 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 67.6225, 0.2404, 0.3326**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.6225, 0.2404, 0.3326.

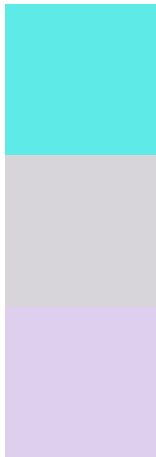


This preview shows how white text looks on a background with the Yxy color 67.6225, 0.2404, 0.3326.

# 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

67.6225, 0.2404, 0.3326

### Protanopia

66.5960, 0.3108, 0.3223

### Deuteranopia

66.3283, 0.3026, 0.2957



## Tritanopia

67.5030, 0.2343, 0.3057

# Trichromacy



## Original Color

67.6225, 0.2404, 0.3326



## Protanomaly

65.1720, 0.2781, 0.3253



## Deuteranomaly

64.7958, 0.2728, 0.3067



## Tritanomaly

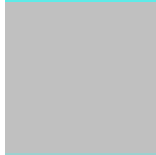
67.4621, 0.2365, 0.3152

# Monochromacy



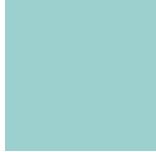
## Original Color

67.6225, 0.2404, 0.3326



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

56.6847, 0.2768, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.6225, 0.2404, 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(94, 235, 232)` looks like.

```
.text, #text, p{  
    color:rgb(94, 235, 232)  
}
```

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(94, 235, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 235, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 67.6225, 0.2404, 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(94, 235, 232) }
```

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

```
.border{ border-color:rgb(94, 235, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 235, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 235, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 235, 232);  
box-shadow:4px 4px 4px 4px rgb(94, 235,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.6225, 0.2404, 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(94, 235, 232) }
```

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

```
.background{ background-color: rgb(94, 235,  
232) }
```

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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