

# Converting Colors

$Yxy(65.5110, 0.2401, 0.3360)$

Have a look what the booklet for  
Yxy(65.5110, 0.2401, 0.3360)  
contains.

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# Color

**Yxy(65.3340, 0.2398, 0.3352)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58E8E3
RGB	88, 232, 227
RGB Percent	35%, 91%, 89%
CMY	0.6554, 0.0901, 0.1097
CMYK	0.62, 0.00, 0.02, 0.09
HSL	178°, 76%, 63%
HSV	178°, 62%, 91%
XYZ	46.7395, 65.3340, 82.8370
YIQ	188.3740, -84.2190, -32.0830

# Conversions

## Conversions Part 2

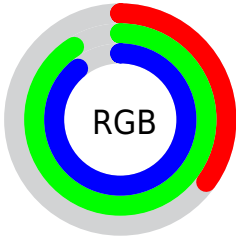
Format	Color
<b>RYB</b>	88, 161, 232
Decimal	5826787
CIELab	84.66, -39.20, -9.04
CIELCh	85, 40.232, 192.978
Yxy	65.3340, 0.2398, 0.3352
Android (android.graphics.Color)	4284016867 (0xFF58E8E3)
YUV	188.3740, 19.0426, -88.0280
Hunter-Lab	80.8295, -38.2341, -4.1819

# Details

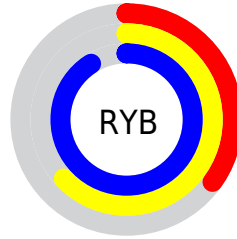
The Yxy color **65.3340, 0.2398, 0.3352** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **24.9049, 0.5048, 0.3246**, and the grayscale version is **50.4219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5123, 0.2574, 0.3288**, and **34.0292, 0.2266, 0.3356** is the 20% darker color. If you saturate the color by 10%, you get **64.3363, 0.2341, 0.3363**, and if you desaturate by 10%, it is **66.6968, 0.2475, 0.3341**.

# Distribution



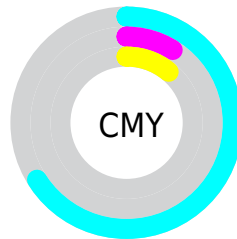
- Red (35%)
- Green (91%)
- Blue (89%)



- Red (35%)
- Yellow (63%)
- Blue (91%)



- Cyan (62%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)




- Cyan (66%)
- Magenta (9%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3340, 0.2398, 0.3352 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 65.3340, 0.2398, 0.3352 by changing the saturation by 10% instead.





 65.3340, 0.2398,  
0.3352


 65.3340, 0.2398,  
0.3352

443.9912, 0.2734,  
0.3331

 47.7320, 0.2322,  
0.3355


 112.5299, 0.2514,  
0.3346


 33.6147, 0.2228,  
0.3357


 142.8926, 0.2560,  
0.3344

 22.5977, 0.2111,  
0.3358


 178.2776, 0.2599,  
0.3341

 14.2968, 0.1959,  
0.3356

 219.0693, 0.2633,  
0.3339

 8.3274, 0.1757,  
0.3347

265.6521, 0.2663,  
0.3337

 4.3051, 0.1477,  
0.3321

318.4104, 0.2689,

 1.8457, 0.1034,

0.3335

0.3263

377.7287, 0.2713,  
0.3333

0.5154, 0.0000,  
0.2985

0.0000, 0.0000,  
0.0000

65.3340, 0.2398,  
0.3352

65.3340, 0.2398,  
0.3352

64.3363, 0.2341,  
0.3363

66.6968, 0.2475,  
0.3341

63.6608, 0.2303,  
0.3375


68.4482, 0.2570,  
0.3330

63.2670, 0.2283,  
0.3386

70.6183, 0.2682,  
0.3319


63.1014, 0.2276,  
0.3395


73.2321, 0.2809,  
0.3309

 76.3129, 0.2948,  
0.3300

 79.8821, 0.3095,  
0.3292

 83.9600, 0.3248,  
0.3284

 84.8893, 0.3276,  
0.3276

 84.9354, 0.3270,  
0.3268

# Harmonies

## Analogous

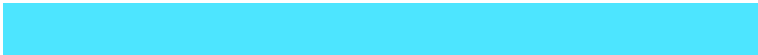
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.3340, 0.2766, 0.3844



65.3340, 0.2398, 0.3352



65.3340, 0.2224, 0.2890

# Triad

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



65.3340, 0.2398, 0.3352



65.3340, 0.2941, 0.2574



65.3340, 0.4050, 0.3932

# Complementary

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



65.3340, 0.2398, 0.3352



24.9049, 0.5048, 0.3246

# 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.



65.3340, 0.4123, 0.3562



65.3340, 0.2398, 0.3352



65.3340, 0.3452, 0.2815

# Square

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



65.3340, 0.2398, 0.3352



65.3340, 0.2517, 0.2489



65.3340, 0.3900, 0.3165



65.3340, 0.3722, 0.4171



# Rectangle

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



65.3340, 0.2398, 0.3352



65.3340, 0.2229, 0.2668



65.3340, 0.3900, 0.3165



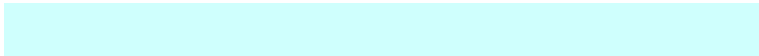
65.3340, 0.4106, 0.3817

# Sweetspot

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



65.3365, 0.2398, 0.3352



91.8331, 0.2850, 0.3307



60.8603, 0.3066, 0.5279



19.4336, 0.2811, 0.3309



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.



65.3365, 0.2398, 0.3352



79.4026, 0.2326, 0.3367



35.5884, 0.2169, 0.2380



16.3273, 0.2986, 0.3298



35.0311, 0.2276, 0.3393



2.5914, 0.2271, 0.3377



# Inverse Universe

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



24.9049, 0.5048, 0.3246



25.3455, 0.5668, 0.3252



40.5571, 0.4569, 0.3994



14.3760, 0.3287, 0.3282



9.5378, 0.6363, 0.3279

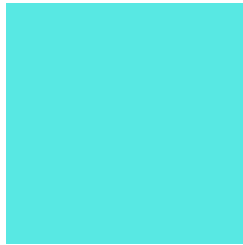


0.7077, 0.6257, 0.3221



# Previews

## White Background



This preview shows how the Yxy color 65.3340, 0.2398, 0.3352 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

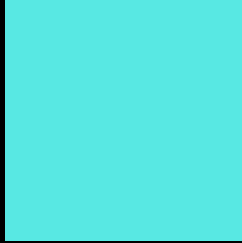
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.3340, 0.2398, 0.3352 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 65.3340, 0.2398, 0.3352**

## Background



This preview shows how black text looks on a background with the Yxy color 65.3340, 0.2398, 0.3352.

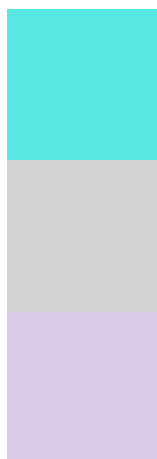


This preview shows how white text looks on a background with the Yxy color 65.3340, 0.2398, 0.3352.

# 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

65.3340, 0.2398, 0.3352

### Protanopia

64.4021, 0.3122, 0.3245

### Deuteranopia

64.1290, 0.3038, 0.2974



## Tritanopia

65.2954, 0.2335, 0.3065

# Trichromacy



## Original Color

65.3340, 0.2398, 0.3352



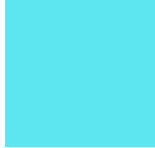
## Protanomaly

62.9032, 0.2782, 0.3277



## Deuteranomaly

62.5206, 0.2729, 0.3087



## Tritanomaly

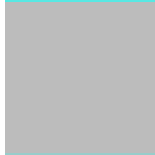
65.2646, 0.2357, 0.3162

# Monochromacy



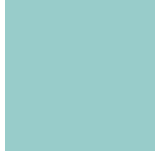
## Original Color

65.3340, 0.2398, 0.3352



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

54.1254, 0.2769, 0.3315

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.3340, 0.2398, 0.3352 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(88, 232, 227)` looks like.

```
.text, #text, p{  
    color:rgb(88, 232, 227)  
}
```

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(88, 232, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 232, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 65.3340, 0.2398, 0.3352 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(88, 232, 227) }
```

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

```
.border{ border-color:rgb(88, 232, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 232, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 232, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 232, 227);  
box-shadow:4px 4px 4px 4px rgb(88, 232,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.3340, 0.2398, 0.3352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 232, 227) }
```

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

```
.background{ background-color: rgb(88, 232,  
227) }
```

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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