

# Converting Colors

$Yxy(67.3050, 0.2747, 0.3403)$

Have a look what the booklet for  
Yxy(67.3050, 0.2747, 0.3403)  
contains.

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# Color

**Yxy(67.3711, 0.2745, 0.3398)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FE3DA
RGB	159, 227, 218
RGB Percent	62%, 89%, 85%
CMY	0.3764, 0.1098, 0.1451
CMYK	0.30, 0.00, 0.04, 0.11
HSL	172°, 55%, 76%
HSV	172°, 30%, 89%
XYZ	54.4243, 67.3711, 76.4716
YIQ	205.6420, -37.6390, -17.2150

# Conversions

## Conversions Part 2

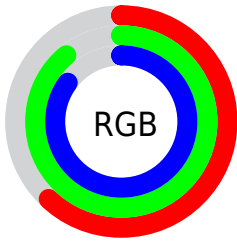
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 195, 227
Decimal	10478554
CIELab	85.69, -23.13, -2.45
CIELCh	86, 23.255, 186.043
Yxy	67.3711, 0.2745, 0.3398
Android (android.graphics.Color)	4288668634 (0xFF9FE3DA)
YUV	205.6420, 6.0925, -40.9050
Hunter-Lab	82.0799, -25.2828, 2.2171

# Details

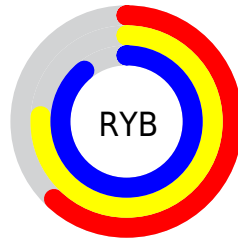
The Yxy color **67.3711, 0.2745, 0.3398** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.9585, 0.3708, 0.3187**, and the grayscale version is **61.4622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **34.7734, 0.2654, 0.3419** is the 20% darker color. If you saturate the color by 10%, you get **65.1063, 0.2638, 0.3440**, and if you desaturate by 10%, it is **70.0703, 0.2864, 0.3359**.

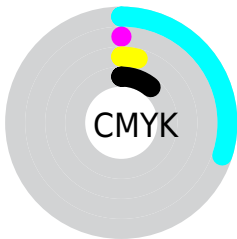
# Distribution



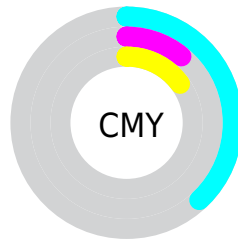
- Red (62%)
- Green (89%)
- Blue (85%)



- Red (62%)
- Yellow (76%)
- Blue (89%)



- Cyan (30%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)




- Cyan (38%)
- Magenta (11%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3711, 0.2745, 0.3398 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 67.3711, 0.2745, 0.3398 by changing the saturation by 10% instead.



 67.3711, 0.2745,  
0.3398


 67.3711, 0.2745,  
0.3398


451.2646, 0.2923,  
0.3349

 49.3863, 0.2704,  
0.3409


 115.4520, 0.2807,  
0.3381

 34.9260, 0.2653,  
0.3423

 146.3169, 0.2831,  
0.3375

 23.6059, 0.2589,  
0.3439


182.2438, 0.2852,  
0.3369

 15.0415, 0.2504,  
0.3461

223.6174, 0.2870,  
0.3364

 8.8485, 0.2388,  
0.3490

270.8218, 0.2886,  
0.3359

 4.6425, 0.2220,  
0.3530

324.2415, 0.2900,

 2.0391, 0.1955,

0.3355

384.2610, 0.2912,  
0.3352

0.3588

0.6300, 0.0225,  
0.4141

0.0000, 0.0000,  
0.0000

67.3711, 0.2745,  
0.3398

67.3711, 0.2745,  
0.3398

65.1063, 0.2638,  
0.3440

70.0703, 0.2864,  
0.3359

63.2444, 0.2547,  
0.3484

73.2174, 0.2993,  
0.3323

61.7626, 0.2473,  
0.3529

76.8352, 0.3128,  
0.3290

60.6322, 0.2418,  
0.3575

80.9427, 0.3267,  
0.3260

■ 59.8207, 0.2383,  
0.3622

■ 82.0836, 0.3284,  
0.3231

■ 59.2893, 0.2367,  
0.3669

■ 82.2566, 0.3264,  
0.3201

■ 58.9711, 0.2365,  
0.3715

■ 82.4326, 0.3244,  
0.3172

■ 58.9697, 0.2365,  
0.3715

■ 82.6116, 0.3224,  
0.3143

■ 82.7935, 0.3204,  
0.3114

# Harmonies

## Analogous

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



67.3711, 0.2987, 0.3648



67.3711, 0.2745, 0.3398



67.3711, 0.2606, 0.3127

# Triad

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



67.3711, 0.2745, 0.3398



67.3711, 0.2961, 0.2841



67.3711, 0.3682, 0.3633

# Complementary

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



67.3711, 0.2745, 0.3398



43.9585, 0.3708, 0.3187

# 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.



67.3711, 0.3678, 0.3411



67.3711, 0.2745, 0.3398



67.3711, 0.3251, 0.2967

# Square

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



67.3711, 0.2745, 0.3398



67.3711, 0.2726, 0.2820



67.3711, 0.3517, 0.3172



67.3711, 0.3531, 0.3778

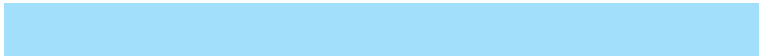


# Rectangle

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



67.3711, 0.2745, 0.3398



67.3711, 0.2586, 0.2978



67.3711, 0.3517, 0.3172



67.3711, 0.3699, 0.3565

# Sweetspot

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



67.3738, 0.2745, 0.3398



95.7102, 0.3004, 0.3320



65.7761, 0.3147, 0.4149



20.3477, 0.2985, 0.3325



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

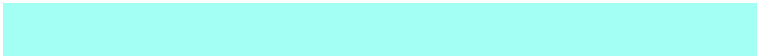


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.3738, 0.2745, 0.3398



85.7903, 0.2676, 0.3424



55.1930, 0.2662, 0.2980



16.3019, 0.2999, 0.3321



34.4032, 0.2363, 0.3708



2.5514, 0.2345, 0.3640



# Inverse Universe

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



43.9585, 0.3708, 0.3187



50.6340, 0.3884, 0.3164



53.0913, 0.3713, 0.3580



14.3989, 0.3272, 0.3259



9.5885, 0.6225, 0.3203



0.7186, 0.5893, 0.3020



# Previews

## White Background



This preview shows how the Yxy color 67.3711, 0.2745, 0.3398 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

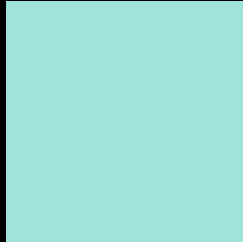
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.3711, 0.2745, 0.3398 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

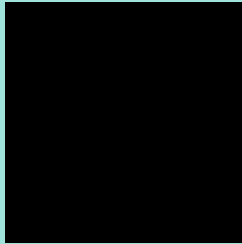
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

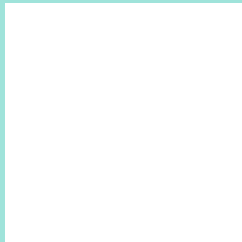
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.3711, 0.2745, 0.3398**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.3711, 0.2745, 0.3398.

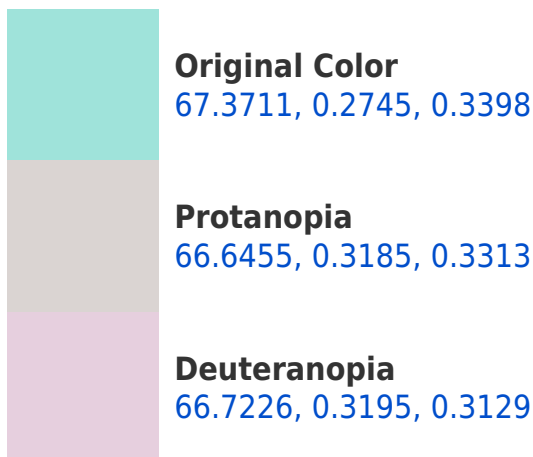


This preview shows how white text looks on a background with the Yxy color 67.3711, 0.2745, 0.3398.

# 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

67.0187, 0.2645, 0.3078

# Trichromacy



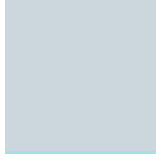
## Original Color

67.3711, 0.2745, 0.3398



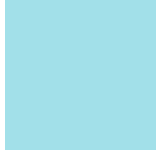
## Protanomaly

66.3001, 0.3011, 0.3336



## Deuteranomaly

66.1510, 0.3009, 0.3210



## Tritanomaly

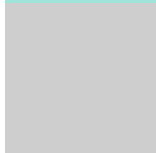
66.8759, 0.2677, 0.3182

# Monochromacy



## Original Color

67.3711, 0.2745, 0.3398



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

63.5651, 0.2975, 0.3337

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.3711, 0.2745, 0.3398 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(159, 227, 218)` looks like.

```
.text, #text, p{  
    color:rgb(159, 227, 218)  
}
```

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(159, 227, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 227, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 67.3711, 0.2745, 0.3398 is called "border". The border property can be set on classes, ids or directly on the HTML element.

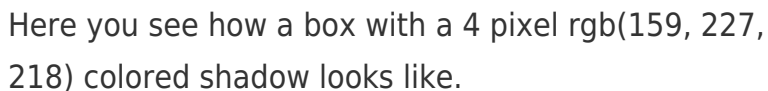
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 227, 218) }
```

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

```
.border{ border-color:rgb(159, 227, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 227, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 227, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 227, 218); box-shadow:4px 4px 4px 4px rgb(159, 227, 218) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.3711, 0.2745, 0.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 227, 218) }
```

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

```
.background{ background-color: rgb(159,  
227, 218) }
```

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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