

# Converting Colors

$Yxy(64.7667, 0.2908, 0.3801)$

Have a look what the booklet for  
Yxy(64.7667, 0.2908, 0.3801)  
contains.

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# Color

**Yxy(65.0058, 0.2908, 0.3798)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9CE2BA
RGB	156, 226, 186
RGB Percent	61%, 89%, 73%
CMY	0.3881, 0.1137, 0.2706
CMYK	0.31, 0.00, 0.18, 0.11
HSL	146°, 55%, 75%
HSV	146°, 31%, 89%
XYZ	49.7727, 65.0058, 56.3794
YIQ	200.5100, -28.8800, -27.2800

# Conversions

## Conversions Part 2

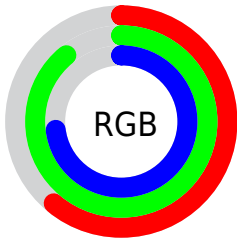
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	156, 205, 226
Decimal	10281658
CIE <sub>Lab</sub>	84.49, -30.12, 12.65
CIE <sub>LCh</sub>	84, 32.667, 157.215
Yxy	65.0058, 0.2908, 0.3798
Android (android.graphics.Color)	4288471738 (0xFF9CE2BA)
YUV	200.5100, -7.1534, -39.0353
Hunter-Lab	80.6262, -30.9029, 14.9786

# Details

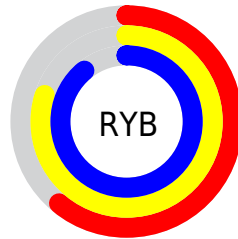
The Yxy color **65.0058, 0.2908, 0.3798** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.9398, 0.3432, 0.2833**, and the grayscale version is **58.1523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9279, 0.2940, 0.3424**, and **33.2677, 0.2844, 0.3928** is the 20% darker color. If you saturate the color by 10%, you get **62.4345, 0.2848, 0.3997**, and if you desaturate by 10%, it is **68.0517, 0.2975, 0.3616**.

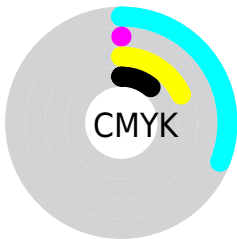
# Distribution



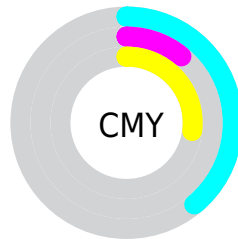
- Red (61%)
- Green (89%)
- Blue (73%)



- Red (61%)
- Yellow (80%)
- Blue (89%)



- Cyan (31%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)




- Cyan (39%)
- Magenta (11%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.0058, 0.2908, 0.3798 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 65.0058, 0.2908, 0.3798 by changing the saturation by 10% instead.




 65.0058, 0.2908,  
0.3798

 65.0058, 0.2908,  
0.3798


442.8128, 0.3016,  
0.3549

 47.4658, 0.2882,  
0.3858

 112.0582, 0.2947,  
0.3709

 33.4040, 0.2848,  
0.3935


 142.3394, 0.2961,  
0.3675

 22.4361, 0.2804,  
0.4036


177.6364, 0.2974,  
0.3646

 14.1777, 0.2744,  
0.4173

218.3336, 0.2985,  
0.3621

 8.2444, 0.2657,  
0.4371

264.8155, 0.2994,  
0.3600

 4.2517, 0.2521,  
0.4682

317.4664, 0.3002,

 1.8153, 0.2277,

0.3581

0.5237

376.6707, 0.3009,  
0.3564

0.4967, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

65.0058, 0.2908,  
0.3798

65.0058, 0.2908,  
0.3798

62.4345, 0.2848,  
0.3997

68.0517, 0.2975,  
0.3616

60.3050, 0.2798,  
0.4210


71.5867, 0.3047,  
0.3451

58.5931, 0.2763,  
0.4432


75.6349, 0.3120,  
0.3303

57.2687, 0.2744,  
0.4657


80.2162, 0.3193,  
0.3173

 56.2978, 0.2745,  
0.4879

 82.5922, 0.3169,  
0.3051

 55.6395, 0.2765,  
0.5089

 82.8730, 0.3140,  
0.3009

 55.2528, 0.2795,  
0.5263

# Harmonies

## Analogous

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



65.0058, 0.3312, 0.4009



65.0058, 0.2908, 0.3798



65.0058, 0.2577, 0.3424

# Triad

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



65.0058, 0.2908, 0.3798



65.0058, 0.2574, 0.2632



65.0058, 0.3919, 0.3461

# Complementary

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



65.0058, 0.2908, 0.3798



43.9398, 0.3432, 0.2833

# 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.



65.0058, 0.3696, 0.3131



65.0058, 0.2908, 0.3798



65.0058, 0.2903, 0.2672

# Square

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



65.0058, 0.2908, 0.3798



65.0058, 0.2395, 0.2754



65.0058, 0.3315, 0.2851



65.0058, 0.3910, 0.3773



# Rectangle

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



65.0058, 0.2908, 0.3798



65.0058, 0.2437, 0.3157



65.0058, 0.3315, 0.2851



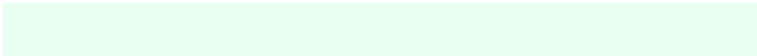
65.0058, 0.3868, 0.3349

# Sweetspot

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



65.0085, 0.2908, 0.3798



95.0879, 0.3061, 0.3421



68.6432, 0.3373, 0.4121



20.1941, 0.3050, 0.3444



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

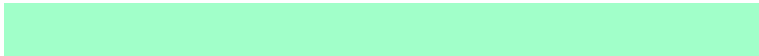


# Same Dimension

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



65.0085, 0.2908, 0.3798



83.2812, 0.2869, 0.3921



66.6394, 0.2715, 0.3360



15.4343, 0.3058, 0.3427



31.5443, 0.2787, 0.5234



2.2041, 0.2702, 0.4929



# Inverse Universe

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



43.9398, 0.3432, 0.2833



51.5122, 0.3516, 0.2738



42.5569, 0.3769, 0.3223



13.8312, 0.3203, 0.3157



10.1554, 0.4652, 0.2336



0.7218, 0.4369, 0.2180



# Previews

## White Background



This preview shows how the Yxy color 65.0058, 0.2908, 0.3798 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

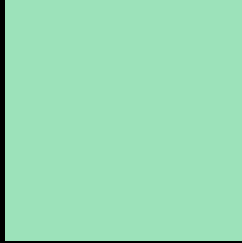
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.0058, 0.2908, 0.3798 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

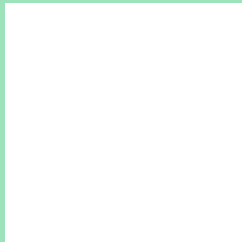
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.0058, 0.2908, 0.3798**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.0058, 0.2908, 0.3798.



This preview shows how white text looks on a background with the Yxy color 65.0058, 0.2908, 0.3798.

# 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

65.0058, 0.2908, 0.3798

### Protanopia

64.1874, 0.3443, 0.3644

### Deuteranopia

64.4780, 0.3486, 0.3422



## Tritanopia

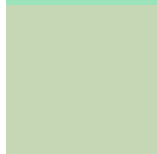
64.8845, 0.2672, 0.3077

# Trichromacy



## Original Color

65.0058, 0.2908, 0.3798



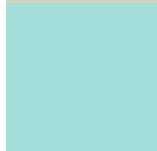
## Protanomaly

63.8074, 0.3226, 0.3697



## Deuteranomaly

63.6726, 0.3258, 0.3547



## Tritanomaly

64.9859, 0.2757, 0.3338

# Monochromacy



## Original Color

65.0058, 0.2908, 0.3798



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

60.3930, 0.3038, 0.3461

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.0058, 0.2908, 0.3798 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(156, 226, 186)` looks like.

```
.text, #text, p{  
    color:rgb(156, 226, 186)  
}
```

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(156, 226, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 226, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 65.0058, 0.2908, 0.3798 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(156, 226, 186) }
```

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

```
.border{ border-color:rgb(156, 226, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 226, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 226, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 226, 186); box-shadow:4px 4px 4px 4px rgb(156, 226, 186) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.0058, 0.2908, 0.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 226, 186) }
```

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

```
.background{ background-color: rgb(156,  
226, 186) }
```

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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