

# Converting Colors

$Y_{xy}(65.6721, 0.2905, 0.3874)$

Have a look what the booklet for  
Yxy(65.6721, 0.2905, 0.3874)  
contains.

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# Color

**Yxy(65.5396, 0.2908, 0.3878)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98E4B6
RGB	152, 228, 182
RGB Percent	60%, 89%, 71%
CMY	0.4036, 0.1059, 0.2863
CMYK	0.33, 0.00, 0.20, 0.11
HSL	144°, 58%, 75%
HSV	144°, 33%, 89%
XYZ	49.1462, 65.5396, 54.3178
YIQ	200.0320, -30.5300, -30.4180

# Conversions

## Conversions Part 2

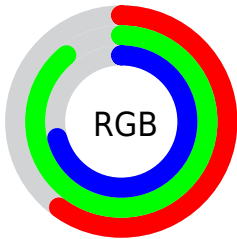
Format	Color
<a href="#">RYB</a>	<a href="#">152, 206, 228</a>
Decimal	<a href="#">10020022</a>
CIELab	<a href="#">84.76, -33.00, 15.11</a>
CIElCh	<a href="#">85, 36.291, 155.402</a>
Yxy	<a href="#">65.5396, 0.2908, 0.3878</a>
Android (android.graphics.Color)	<a href="#">4288210102</a> ( <a href="#">0xFF98E4B6</a> )
YUV	<a href="#">200.0320, -8.8898, -42.1241</a>
Hunter-Lab	<a href="#">80.9565, -33.3120, 16.8890</a>

# Details

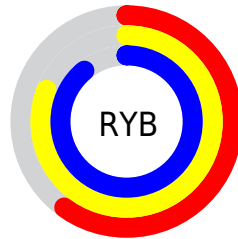
The Yxy color **65.5396, 0.2908, 0.3878** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.0535, 0.3437, 0.2770**, and the grayscale version is **57.8604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1029, 0.2939, 0.3468**, and **33.6867, 0.2846, 0.4036** is the 20% darker color. If you saturate the color by 10%, you get **63.0052, 0.2854, 0.4094**, and if you desaturate by 10%, it is **68.5586, 0.2970, 0.3680**.

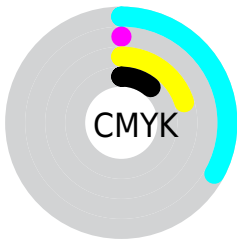
# Distribution



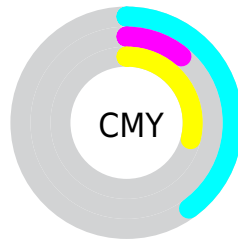
- Red (60%)
- Green (89%)
- Blue (71%)



- Red (60%)
- Yellow (81%)
- Blue (89%)



- Cyan (33%)
- Magenta (0%)
- Yellow (20%)
- Black (11%)




- Cyan (40%)
- Magenta (11%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.5396, 0.2908, 0.3878 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 65.5396, 0.2908, 0.3878 by changing the saturation by 10% instead.




 65.5396, 0.2908,  
0.3878


 65.5396, 0.2908,  
0.3878


444.7285, 0.3017,  
0.3589

 47.8988, 0.2881,  
0.3948


 112.8253, 0.2947,  
0.3774

 33.7467, 0.2847,  
0.4038


 143.2389, 0.2962,  
0.3735

 22.6991, 0.2801,  
0.4155


178.6789, 0.2975,  
0.3702

 14.3715, 0.2739,  
0.4316

219.5297, 0.2986,  
0.3673

 8.3795, 0.2647,  
0.4548

266.1757, 0.2995,  
0.3648

 4.3387, 0.2501,  
0.4912

319.0012, 0.3003,

 1.8648, 0.2241,

0.3626

0.5591

378.3907, 0.3010,  
0.3606

0.5271, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

65.5396, 0.2908,  
0.3878

65.5396, 0.2908,  
0.3878

63.0052, 0.2854,  
0.4094

68.5586, 0.2970,  
0.3680

60.9214, 0.2810,  
0.4323


72.0780, 0.3036,  
0.3500


59.2624, 0.2781,  
0.4560

76.1229, 0.3104,  
0.3339

57.9964, 0.2769,  
0.4797


80.7140, 0.3173,  
0.3197

 57.0868, 0.2775,  
0.5026

 83.7107, 0.3165,  
0.3066

 56.4895, 0.2801,  
0.5238

 83.9620, 0.3139,  
0.3029

 56.2183, 0.2824,  
0.5367

# Harmonies

## Analogous

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



65.5396, 0.3355, 0.4097



65.5396, 0.2908, 0.3878



65.5396, 0.2537, 0.3464

# Triad

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



65.5396, 0.2908, 0.3878



65.5396, 0.2500, 0.2569



65.5396, 0.3997, 0.3451

# Complementary

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



65.5396, 0.2908, 0.3878



43.0535, 0.3437, 0.2770

# 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.



65.5396, 0.3735, 0.3092



65.5396, 0.2908, 0.3878



65.5396, 0.2852, 0.2604

# Square

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



65.5396, 0.2908, 0.3878



65.5396, 0.2317, 0.2711



65.5396, 0.3305, 0.2792



65.5396, 0.4001, 0.3800



# Rectangle

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



65.5396, 0.2908, 0.3878



65.5396, 0.2377, 0.3165



65.5396, 0.3305, 0.2792



65.5396, 0.3936, 0.3329

# Sweetspot

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



65.5423, 0.2908, 0.3878



94.5251, 0.3058, 0.3446



69.8786, 0.3409, 0.4183



20.0796, 0.3048, 0.3469



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

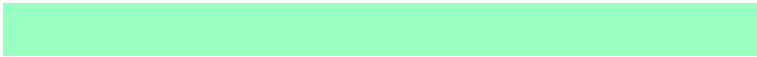


# Same Dimension

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



65.5423, 0.2908, 0.3878



82.1521, 0.2869, 0.4026



67.2863, 0.2701, 0.3397



16.1828, 0.3062, 0.3436



32.4871, 0.2816, 0.5339



2.4185, 0.2735, 0.5045



# Inverse Universe

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



43.0535, 0.3437, 0.2770



48.9378, 0.3526, 0.2660



41.5443, 0.3811, 0.3189



14.5139, 0.3198, 0.3149



10.6096, 0.4513, 0.2260

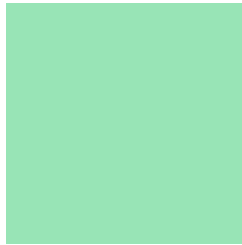


0.8022, 0.4271, 0.2127



# Previews

## White Background



This preview shows how the Yxy color 65.5396, 0.2908, 0.3878 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

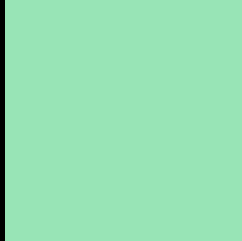
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.5396, 0.2908, 0.3878 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

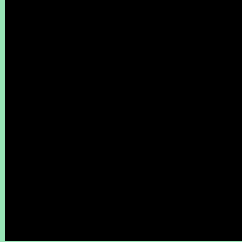
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.5396, 0.2908, 0.3878**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.5396, 0.2908, 0.3878.

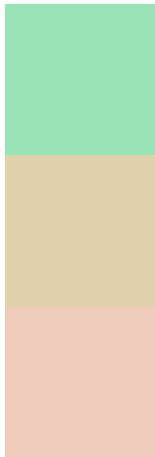


This preview shows how white text looks on a background with the Yxy color 65.5396, 0.2908, 0.3878.

# 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

65.5396, 0.2908, 0.3878

### Protanopia

64.7983, 0.3494, 0.3710

### Deuteranopia

64.8250, 0.3541, 0.3464



## Tritanopia

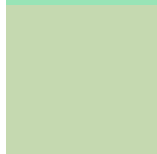
65.2520, 0.2656, 0.3076

# Trichromacy



## Original Color

65.5396, 0.2908, 0.3878



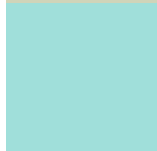
## Protanomaly

64.6306, 0.3257, 0.3781



## Deuteranomaly

63.9996, 0.3285, 0.3606



## Tritanomaly

65.3109, 0.2746, 0.3350

# Monochromacy



## Original Color

65.5396, 0.2908, 0.3878



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

60.0107, 0.3044, 0.3499

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.5396, 0.2908, 0.3878 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(152, 228, 182)` looks like.

```
.text, #text, p{  
    color:rgb(152, 228, 182)  
}
```

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(152, 228, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 228, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 65.5396, 0.2908, 0.3878 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(152, 228, 182) }
```

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

```
.border{ border-color:rgb(152, 228, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 228, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 228, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 228, 182);  
box-shadow:4px 4px 4px 4px rgb(152, 228,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.5396, 0.2908, 0.3878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 228, 182) }
```

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

```
.background{ background-color: rgb(152,  
228, 182) }
```

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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