

# Converting Colors

$Yxy(58.0545, 0.2845, 0.3571)$

Have a look what the booklet for  
Yxy(58.0545, 0.2845, 0.3571)  
contains.

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# Color

**Yxy(58.0255, 0.2845, 0.3577)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98D5BF
RGB	152, 213, 191
RGB Percent	60%, 84%, 75%
CMY	0.4037, 0.1647, 0.2511
CMYK	0.29, 0.00, 0.10, 0.16
HSL	158°, 42%, 72%
HSV	158°, 29%, 84%
XYZ	46.1511, 58.0255, 58.0417
YIQ	192.2530, -29.2940, -19.7740

# Conversions

## Conversions Part 2

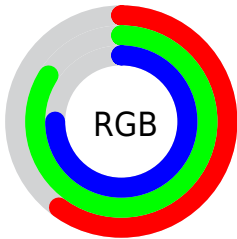
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 189, 213
Decimal	10016191
CIELab	80.75, -24.05, 4.65
CIELCh	81, 24.491, 169.054
Yxy	58.0255, 0.2845, 0.3577
Android (android.graphics.Color)	4288206271 (0xFF98D5BF)
YUV	192.2530, -0.6177, -35.3019
Hunter-Lab	76.1745, -25.1592, 8.1457

# Details

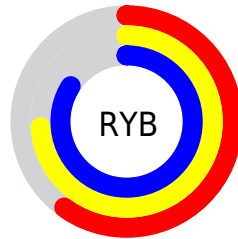
The Yxy color **58.0255, 0.2845, 0.3577** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.6769, 0.3528, 0.3022**, and the grayscale version is **52.8900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6453, 0.2891, 0.3372**, and **28.9413, 0.2767, 0.3646** is the 20% darker color. If you saturate the color by 10%, you get **55.8231, 0.2760, 0.3696**, and if you desaturate by 10%, it is **60.6196, 0.2939, 0.3468**.

# Distribution



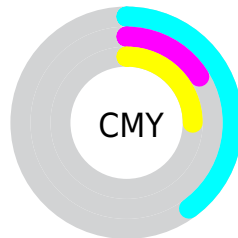
- Red (60%)
- Green (84%)
- Blue (75%)



- Red (60%)
- Yellow (74%)
- Blue (84%)



- Cyan (29%)
- Magenta (0%)
- Yellow (10%)
- Black (16%)




- Cyan (40%)
- Magenta (16%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.0255, 0.2845, 0.3577 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 58.0255, 0.2845, 0.3577 by changing the saturation by 10% instead.




 58.0255, 0.2845,  
0.3577


 58.0255, 0.2845,  
0.3577

417.2809, 0.2982,  
0.3436

 41.8291, 0.2812,  
0.3611


 101.9600, 0.2894,  
0.3526

 28.9675, 0.2770,  
0.3655


 130.4669, 0.2913,  
0.3507

 19.0563, 0.2716,  
0.3712


163.8462, 0.2928,  
0.3491

 11.7109, 0.2642,  
0.3791

202.4821, 0.2942,  
0.3477

 6.5472, 0.2536,  
0.3906

246.7592, 0.2954,  
0.3465

 3.1806, 0.2371,  
0.4088

297.0617, 0.2964,

 1.2267, 0.1985,

0.3454

0.4473

353.7742, 0.2974,  
0.3445

■ 0.0834, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.0255, 0.2845,  
0.3577

■ 58.0255, 0.2845,  
0.3577

■ 55.8231, 0.2760,  
0.3696

■ 60.6196, 0.2939,  
0.3468

■ 53.9851, 0.2687,  
0.3823


■ 63.6167, 0.3038,  
0.3368


■ 52.4922, 0.2630,  
0.3957


■ 67.0367, 0.3142,  
0.3278


■ 51.3200, 0.2590,  
0.4095


■ 70.8956, 0.3246,  
0.3198


 50.4409, 0.2570,  
0.4236


 74.5301, 0.3323,  
0.3126


 49.8226, 0.2571,  
0.4375

 74.9708, 0.3269,  
0.3050

 49.4153, 0.2589,  
0.4512

 75.4308, 0.3215,  
0.2976

 49.3658, 0.2592,  
0.4531

 75.9104, 0.3163,  
0.2903

 76.0674, 0.3146,  
0.2881

# Harmonies

## Analogous

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



58.0255, 0.3150, 0.3797



58.0255, 0.2845, 0.3577



58.0255, 0.2622, 0.3275

# Triad

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



58.0255, 0.2845, 0.3577



58.0255, 0.2784, 0.2767



58.0255, 0.3762, 0.3534

# Complementary

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



58.0255, 0.2845, 0.3577



39.6769, 0.3528, 0.3022

# 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.



58.0255, 0.3656, 0.3271



58.0255, 0.2845, 0.3577



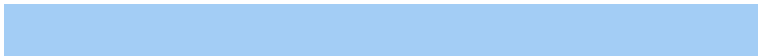
58.0255, 0.3078, 0.2843

# Square

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



58.0255, 0.2845, 0.3577



58.0255, 0.2589, 0.2817



58.0255, 0.3400, 0.3024



58.0255, 0.3687, 0.3752



# Rectangle

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



58.0255, 0.2845, 0.3577



58.0255, 0.2545, 0.3081



58.0255, 0.3400, 0.3024



58.0255, 0.3746, 0.3448

# Sweetspot

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



58.0279, 0.2845, 0.3577



95.3815, 0.3034, 0.3372



58.9002, 0.3253, 0.4075



20.2664, 0.3019, 0.3387



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

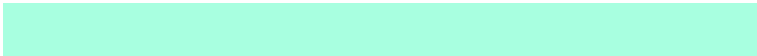


# Same Dimension

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



58.0279, 0.2845, 0.3577



85.2418, 0.2795, 0.3644



55.0851, 0.2704, 0.3185



14.0282, 0.3030, 0.3376



30.1757, 0.2587, 0.4511



1.8357, 0.2521, 0.4275



# Inverse Universe

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



39.6769, 0.3528, 0.3022



53.5290, 0.3639, 0.2966



41.6168, 0.3726, 0.3392



12.4942, 0.3235, 0.3206



8.9860, 0.5519, 0.2814



0.5576, 0.5041, 0.2550



# Previews

## White Background



This preview shows how the Yxy color 58.0255, 0.2845, 0.3577 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

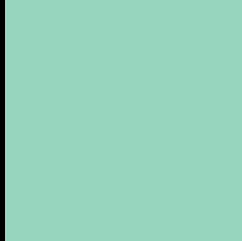
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.0255, 0.2845, 0.3577 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

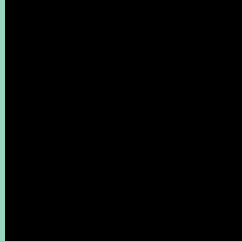
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

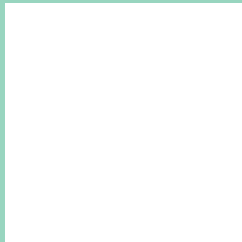
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.0255, 0.2845, 0.3577**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.0255, 0.2845, 0.3577.

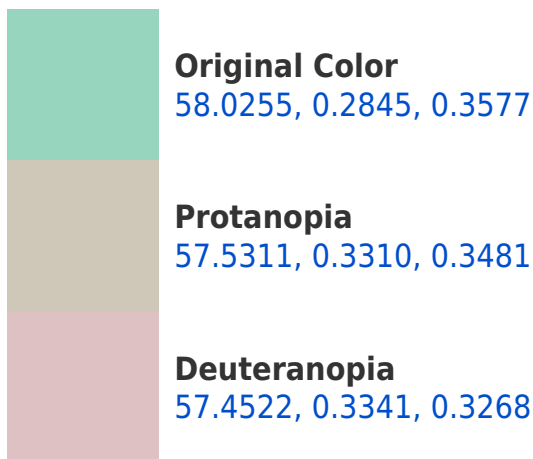


This preview shows how white text looks on a background with the Yxy color 58.0255, 0.2845, 0.3577.

# 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

57.9189, 0.2682, 0.3079

# Trichromacy



## Original Color

58.0255, 0.2845, 0.3577

## Protanomaly

57.2957, 0.3124, 0.3513

## Deuteranomaly

56.9394, 0.3139, 0.3363

## Tritanomaly

57.9652, 0.2735, 0.3251

# Monochromacy



## Original Color

58.0255, 0.2845, 0.3577

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

54.4614, 0.3008, 0.3391

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.0255, 0.2845, 0.3577 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, 213, 191)` looks like.

```
.text, #text, p{  
    color:rgb(152, 213, 191)  
}
```

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, 213, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 213, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 58.0255, 0.2845, 0.3577 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, 213, 191) }
```

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

```
.border{ border-color:rgb(152, 213, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 213, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 213, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 213, 191);  
box-shadow:4px 4px 4px 4px rgb(152, 213,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.0255, 0.2845, 0.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 213, 191) }
```

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

```
.background{ background-color: rgb(152,  
213, 191) }
```

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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