

# Converting Colors

$Yxy(58.0301, 0.2958, 0.3586)$

Have a look what the booklet for  
Yxy(58.0301, 0.2958, 0.3586)  
contains.

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# Color

**Yxy(58.2834, 0.2962, 0.3598)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6D3BB
RGB	166, 211, 187
RGB Percent	65%, 83%, 73%
CMY	0.3492, 0.1725, 0.2667
CMYK	0.21, 0.00, 0.11, 0.17
HSL	148°, 34%, 74%
HSV	148°, 21%, 83%
XYZ	47.9809, 58.2834, 55.7240
YIQ	194.8090, -19.1160, -17.0040

# Conversions

## Conversions Part 2

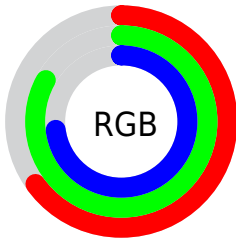
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 197, 211
Decimal	10933179
CIELab	80.90, -19.54, 7.09
CIElCh	81, 20.781, 160.065
Yxy	58.2834, 0.2962, 0.3598
Android (android.graphics.Color)	4289123259 (0xFFA6D3BB)
YUV	194.8090, -3.8498, -25.2655
Hunter-Lab	76.3436, -21.4163, 10.1641

# Details

The Yxy color **58.2834, 0.2962, 0.3598** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.8246, 0.3334, 0.3001**, and the grayscale version is **54.4811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5207, 0.2994, 0.3412**, and **29.0089, 0.2913, 0.3674** is the 20% darker color. If you saturate the color by 10%, you get **55.7269, 0.2891, 0.3767**, and if you desaturate by 10%, it is **61.2567, 0.3038, 0.3445**.

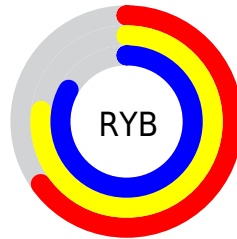
# Distribution



Red (65%)

Green (83%)

Blue (73%)



Red (65%)

Yellow (77%)

Blue (83%)

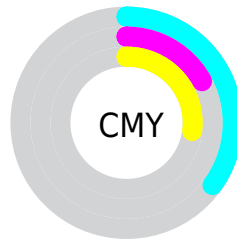


Cyan (21%)

Magenta (0%)

Yellow (11%)

Black (17%)



Cyan (35%)

Magenta (17%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2834, 0.2962, 0.3598 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 58.2834, 0.2962, 0.3598 by changing the saturation by 10% instead.





 58.2834, 0.2962,  
0.3598


 58.2834, 0.2962,  
0.3598


418.2411, 0.3043,  
0.3446

 42.0365, 0.2942,  
0.3635


 102.3354, 0.2991,  
0.3543

 29.1299, 0.2917,  
0.3683

 130.9094, 0.3002,  
0.3523

 19.1791, 0.2884,  
0.3745


164.3612, 0.3012,  
0.3505

 11.7998, 0.2838,  
0.3831

203.0752, 0.3020,  
0.3490

 6.6075, 0.2772,  
0.3956

247.4358, 0.3027,  
0.3477

 3.2179, 0.2667,  
0.4157

297.8273, 0.3033,

 1.2465, 0.2449,

0.3466

0.4559

354.6343, 0.3038,  
0.3455

0.0992, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

58.2834, 0.2962,  
0.3598

58.2834, 0.2962,  
0.3598

55.7269, 0.2891,  
0.3767

61.2567, 0.3038,  
0.3445

53.5607, 0.2827,  
0.3952

64.6573, 0.3116,  
0.3307

51.7666, 0.2774,  
0.4148

68.5044, 0.3195,  
0.3186

50.3222, 0.2736,  
0.4354

72.8137, 0.3273,  
0.3078

■ 49.2020, 0.2715,  
0.4565

■ 74.3431, 0.3228,  
0.2971

■ 48.3775, 0.2713,  
0.4773

■ 75.0451, 0.3151,  
0.2866

■ 47.8145, 0.2732,  
0.4972

■ 75.0766, 0.3147,  
0.2861

■ 47.4873, 0.2759,  
0.5133

# Harmonies

## Analogous

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



58.2834, 0.3230, 0.3747



58.2834, 0.2962, 0.3598



58.2834, 0.2744, 0.3357

# Triad

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



58.2834, 0.2962, 0.3598



58.2834, 0.2775, 0.2845



58.2834, 0.3653, 0.3435

# Complementary

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



58.2834, 0.2962, 0.3598



44.8246, 0.3334, 0.3001

# 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.



58.2834, 0.3520, 0.3209



58.2834, 0.2962, 0.3598



58.2834, 0.3006, 0.2878

# Square

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



58.2834, 0.2962, 0.3598



58.2834, 0.2640, 0.2924



58.2834, 0.3280, 0.3009



58.2834, 0.3636, 0.3637



# Rectangle

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



58.2834, 0.2962, 0.3598



58.2834, 0.2654, 0.3187



58.2834, 0.3280, 0.3009



58.2834, 0.3624, 0.3360

# Sweetspot

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



58.2858, 0.2962, 0.3598



96.6983, 0.3079, 0.3370



60.3906, 0.3287, 0.3847



20.6237, 0.3074, 0.3379



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

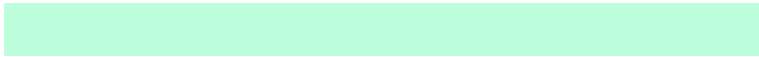


# Same Dimension

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



58.2858, 0.2962, 0.3598



87.4487, 0.2926, 0.3680



59.2904, 0.2825, 0.3317



13.2968, 0.3053, 0.3417



28.6739, 0.2752, 0.5106



1.6192, 0.2654, 0.4754



# Inverse Universe

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



44.8246, 0.3334, 0.3001



62.9114, 0.3394, 0.2931



43.9423, 0.3534, 0.3264



11.9121, 0.3208, 0.3167



9.0920, 0.4805, 0.2420



0.5243, 0.4433, 0.2216



# Previews

## White Background



This preview shows how the Yxy color 58.2834, 0.2962, 0.3598 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 58.2834, 0.2962, 0.3598 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

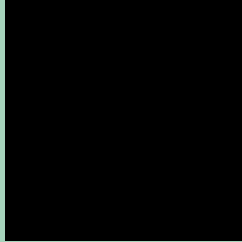
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

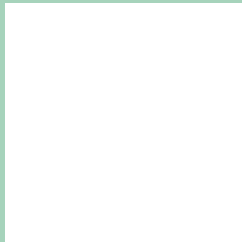
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.2834, 0.2962, 0.3598**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.2834, 0.2962, 0.3598.



This preview shows how white text looks on a background with the Yxy color 58.2834, 0.2962, 0.3598.

# 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

58.2834, 0.2962, 0.3598

### Protanopia

58.0546, 0.3332, 0.3517

### Deuteranopia

57.5895, 0.3389, 0.3314



## **Tritanopia**

58.3008, 0.2786, 0.3095

# Trichromacy



**Original Color**

58.2834, 0.2962, 0.3598

**Protanomaly**

57.9421, 0.3192, 0.3548

**Deuteranomaly**

57.5828, 0.3216, 0.3410

**Tritanomaly**

58.2612, 0.2848, 0.3277

# Monochromacy



**Original Color**

58.2834, 0.2962, 0.3598

**Achromatopsia**

54.5724, 0.3127, 0.3290

**Achromatomaly**

55.7694, 0.3060, 0.3402

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.2834, 0.2962, 0.3598 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(166, 211, 187)` looks like.

```
.text, #text, p{  
    color:rgb(166, 211, 187)  
}
```

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(166, 211, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 211, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 58.2834, 0.2962, 0.3598 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(166, 211, 187) }
```

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

```
.border{ border-color:rgb(166, 211, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 211, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 211, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 211, 187);  
box-shadow:4px 4px 4px 4px rgb(166, 211,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.2834, 0.2962, 0.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 211, 187) }
```

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

```
.background{ background-color: rgb(166,  
211, 187) }
```

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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