

# Converting Colors

Yxy(58.1191, 0.3006, 0.3348)

Have a look what the booklet for  
Yxy(58.1191, 0.3006, 0.3348)  
contains.

<b>Yxy(58.0231, 0.3005, 0.3351)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(58.0231, 0.3005, 0.3351)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8CDC8
RGB	184, 205, 200
RGB Percent	72%, 80%, 78%
CMY	0.2782, 0.1961, 0.2157
CMYK	0.10, 0.00, 0.02, 0.20
HSL	166°, 17%, 76%
HSV	166°, 10%, 80%
XYZ	52.0321, 58.0231, 63.0964
YIQ	198.1510, -10.9110, -6.0070

# Conversions

## Conversions Part 2

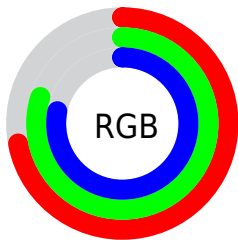
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 196, 205
Decimal	12111304
CIELab	80.75, -8.01, 0.07
CIELCh	81, 8.010, 179.491
Yxy	58.0231, 0.3005, 0.3351
Android (android.graphics.Color)	4290301384 (0xFFB8CDC8)
YUV	198.1510, 0.9116, -12.4104
Hunter-Lab	76.1729, -11.3731, 4.2092

# Details

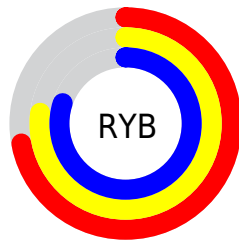
The Yxy color **58.0231, 0.3005, 0.3351** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.9568, 0.3265, 0.3230**, and the grayscale version is **56.5737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **29.0338, 0.2975, 0.3372** is the 20% darker color. If you saturate the color by 10%, you get **55.4487, 0.2891, 0.3417**, and if you desaturate by 10%, it is **60.9766, 0.3125, 0.3291**.

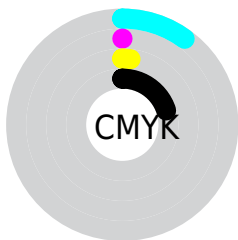
# Distribution



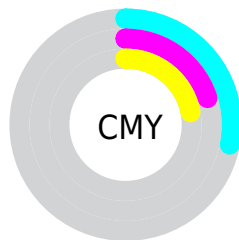
- Red (72%)
- Green (80%)
- Blue (78%)



- Red (72%)
- Yellow (77%)
- Blue (80%)



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)
- Black (20%)




- Cyan (28%)
- Magenta (20%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.0231, 0.3005, 0.3351 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 58.0231, 0.3005, 0.3351 by changing the saturation by 10% instead.




 58.0231, 0.3005,  
0.3351

 58.0231, 0.3005,  
0.3351


417.2720, 0.3064,  
0.3322

 41.8272, 0.2991,  
0.3358


 101.9565, 0.3026,  
0.3341

 28.9660, 0.2973,  
0.3367


130.4628, 0.3034,  
0.3337

 19.0551, 0.2950,  
0.3378


163.8414, 0.3041,  
0.3333

 11.7101, 0.2919,  
0.3394

202.4766, 0.3047,  
0.3330

 6.5466, 0.2875,  
0.3416

246.7529, 0.3052,  
0.3328

 3.1802, 0.2806,  
0.3450

297.0546, 0.3056,

 1.2265, 0.2687,

0.3325

0.3509

353.7662, 0.3060,  
0.3324

0.0832, 0.0000,  
0.4928

0.0000, 0.0000,  
0.0000

58.0231, 0.3005,  
0.3351

58.0231, 0.3005,  
0.3351

55.4487, 0.2891,  
0.3417

60.9766, 0.3125,  
0.3291

53.2302, 0.2784,  
0.3489

64.3167, 0.3247,  
0.3237


51.3533, 0.2689,  
0.3566

68.0598, 0.3370,  
0.3190

49.7995, 0.2607,  
0.3647

70.0632, 0.3406,  
0.3143

 48.5490, 0.2542,  
0.3733

 70.3256, 0.3369,  
0.3094


 47.5794, 0.2495,  
0.3820


 70.5956, 0.3333,  
0.3046

 46.8652, 0.2468,  
0.3909

 70.8734, 0.3297,  
0.2998

 46.3763, 0.2460,  
0.3997

 71.1589, 0.3262,  
0.2950

 46.0615, 0.2468,  
0.4083

 71.4522, 0.3227,  
0.2904

# Harmonies

## Analogous

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



58.0231, 0.3101, 0.3430



58.0231, 0.3005, 0.3351



58.0231, 0.2942, 0.3256

# Triad

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



58.0231, 0.3005, 0.3351



58.0231, 0.3047, 0.3116



58.0231, 0.3331, 0.3404

# Complementary

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



58.0231, 0.3005, 0.3351



50.9568, 0.3265, 0.3230

# 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.



58.0231, 0.3316, 0.3320



58.0231, 0.3005, 0.3351



58.0231, 0.3151, 0.3156

# Square

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



58.0231, 0.3005, 0.3351



58.0231, 0.2966, 0.3122



58.0231, 0.3250, 0.3229



58.0231, 0.3290, 0.3460



# Rectangle

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



58.0231, 0.3005, 0.3351



58.0231, 0.2926, 0.3197



58.0231, 0.3250, 0.3229



58.0231, 0.3332, 0.3378

# Sweetspot

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



58.0255, 0.3005, 0.3351



98.4608, 0.3090, 0.3307



57.9773, 0.3155, 0.3549



20.9887, 0.3081, 0.3312



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.



58.0255, 0.3005, 0.3351



94.1898, 0.2982, 0.3363



55.8003, 0.2971, 0.3225



12.6795, 0.3015, 0.3346



28.6929, 0.2464, 0.4071



1.4916, 0.2416, 0.3899



# Inverse Universe

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



50.9568, 0.3265, 0.3230



80.5959, 0.3295, 0.3218



52.9596, 0.3299, 0.3354



11.2568, 0.3253, 0.3235



8.2302, 0.5946, 0.3049

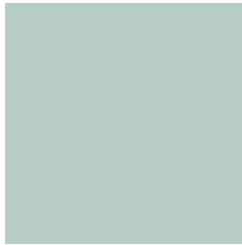


0.4368, 0.5377, 0.2736



# Previews

## White Background



This preview shows how the Yxy color 58.0231, 0.3005, 0.3351 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

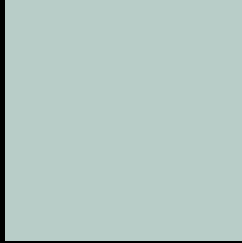
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.0231, 0.3005, 0.3351 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

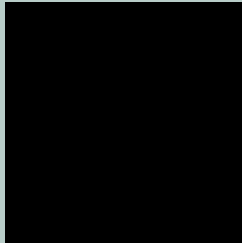
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

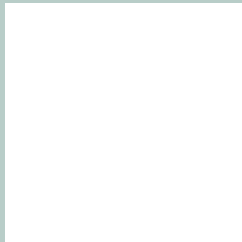
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.0231, 0.3005, 0.3351**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.0231, 0.3005, 0.3351.

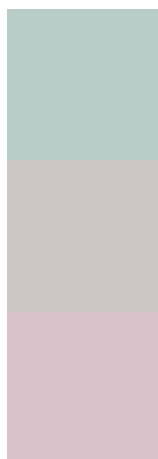


This preview shows how white text looks on a background with the Yxy color 58.0231, 0.3005, 0.3351.

# 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

58.0231, 0.3005, 0.3351

### Protanopia

57.7154, 0.3181, 0.3314

### Deuteranopia

57.7533, 0.3261, 0.3199



## Tritanopia

57.8678, 0.2906, 0.3098

# Trichromacy



## Original Color

58.0231, 0.3005, 0.3351

## Protanomaly

57.7208, 0.3118, 0.3326

## Deuteranomaly

57.7270, 0.3168, 0.3255

## Tritanomaly

57.8541, 0.2945, 0.3193

# Monochromacy



## Original Color

58.0231, 0.3005, 0.3351

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

57.2343, 0.3080, 0.3314

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.0231, 0.3005, 0.3351 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(184, 205, 200)` looks like.

```
.text, #text, p{  
    color:rgb(184, 205, 200)  
}
```

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(184, 205, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 205, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 58.0231, 0.3005, 0.3351 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(184, 205, 200) }
```

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

```
.border{ border-color:rgb(184, 205, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 205, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 205, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 205, 200);  
box-shadow:4px 4px 4px 4px rgb(184, 205,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.0231, 0.3005, 0.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 205, 200) }
```

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

```
.background{ background-color: rgb(184,  
205, 200) }
```

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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