

# Converting Colors

$Y_{xy}(59.0193, 0.2986, 0.3291)$

Have a look what the booklet for  
Yxy(59.0193, 0.2986, 0.3291)  
contains.

<b>Yxy(59.1636, 0.2986, 0.3290)</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(59.1636, 0.2986, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBCECE
RGB	187, 206, 206
RGB Percent	73%, 81%, 81%
CMY	0.2668, 0.1921, 0.1922
CMYK	0.09, 0.00, 0.00, 0.19
HSL	180°, 16%, 77%
HSV	180°, 9%, 81%
XYZ	53.6968, 59.1636, 66.9682
YIQ	200.3190, -11.3240, -4.0280

# Conversions

## Conversions Part 2

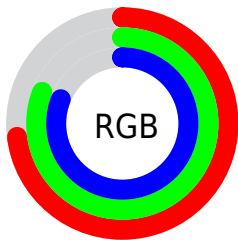
Format	Color
R <sub>Y</sub> B	187, 197, 206
Decimal	12308174
CIE Lab	81.38, -6.41, -2.19
CIE LCh	81, 6.771, 198.836
Yxy	59.1636, 0.2986, 0.3290
Android (android.graphics.Color)	4290498254 (0xFFBBCECE)
YUV	200.3190, 2.8007, -11.6808
Hunter-Lab	76.9179, -9.9944, 2.2220

# Details

The Yxy color  $59.1636, 0.2986, 0.3290$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $52.2384, 0.3287, 0.3290$ , and the grayscale version is  $57.9506, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $97.7947, 0.3054, 0.3290$ , and  $29.7918, 0.2951, 0.3289$  is the 20% darker color. If you saturate the color by 10%, you get  $56.7501, 0.2841, 0.3290$ , and if you desaturate by 10%, it is  $61.9548, 0.3139, 0.3290$ .

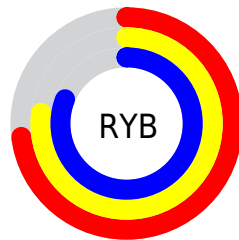
# Distribution



Red (73%)

Green (81%)

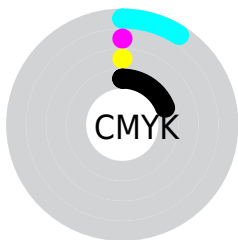
Blue (81%)



Red (73%)

Yellow (77%)

Blue (81%)

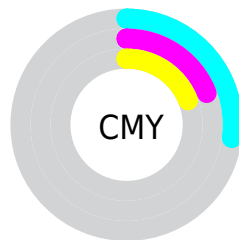


Cyan (9%)

Magenta (0%)

Yellow (0%)

Black (19%)



Cyan (27%)

Magenta (19%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.1636, 0.2986, 0.3290 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 59.1636, 0.2986, 0.3290 by changing the saturation by 10% instead.





 59.1636, 0.2986,  
0.3290

 59.1636, 0.2986,  
0.3290


421.5079, 0.3054,  
0.3290

 42.7448, 0.2970,  
0.3290


 103.6154, 0.3010,  
0.3290

 29.6850, 0.2950,  
0.3290


132.4172, 0.3019,  
0.3290

 19.5996, 0.2924,  
0.3289


166.1155, 0.3027,  
0.3290

 12.1043, 0.2889,  
0.3288

205.0947, 0.3034,  
0.3290

 6.8148, 0.2839,  
0.3287

249.7391, 0.3040,  
0.3290

 3.3465, 0.2764,  
0.3284

300.4332, 0.3045,

 1.3152, 0.2635,

0.3290

0.3278

357.5613, 0.3049,  
0.3290

0.1529, 0.0000,  
0.3238

0.0000, 0.0000,  
0.0000

59.1636, 0.2986,  
0.3290

59.1636, 0.2986,  
0.3290

56.7501, 0.2841,  
0.3290

61.9548, 0.3139,  
0.3290

54.6910, 0.2708,  
0.3290


65.1311, 0.3297,  
0.3290

52.9719, 0.2589,  
0.3291


68.7090, 0.3458,  
0.3290

51.5746, 0.2486,  
0.3291


69.8732, 0.3506,  
0.3290

 50.4789, 0.2402,  
0.3291

 69.8751, 0.3506,  
0.3289


 49.6626, 0.2337,  
0.3292

 69.8770, 0.3506,  
0.3289


 49.1005, 0.2291,  
0.3292

 69.8790, 0.3506,  
0.3289

 48.7626, 0.2263,  
0.3293

 69.8809, 0.3505,  
0.3288

 48.5983, 0.2249,  
0.3293

 69.8828, 0.3505,  
0.3288

# Harmonies

## Analogous

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



59.1636, 0.3051, 0.3367



59.1636, 0.2986, 0.3290



59.1636, 0.2958, 0.3214

# Triad

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



59.1636, 0.2986, 0.3290



59.1636, 0.3115, 0.3161



59.1636, 0.3281, 0.3420

# Complementary

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



59.1636, 0.2986, 0.3290



52.2384, 0.3287, 0.3290

# 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.



59.1636, 0.3299, 0.3363



59.1636, 0.2986, 0.3290



59.1636, 0.3203, 0.3215

# Square

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



59.1636, 0.2986, 0.3290



59.1636, 0.3032, 0.3141



59.1636, 0.3270, 0.3288



59.1636, 0.3221, 0.3443



# Rectangle

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



59.1636, 0.2986, 0.3290



59.1636, 0.2965, 0.3174



59.1636, 0.3270, 0.3288



59.1636, 0.3292, 0.3404

# Sweetspot

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



59.1661, 0.2986, 0.3290



98.5769, 0.3080, 0.3290



58.3373, 0.3119, 0.3525



21.0202, 0.3068, 0.3290



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.



59.1661, 0.2986, 0.3290



95.0593, 0.2958, 0.3290



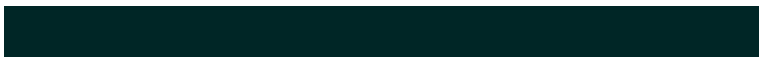
54.8632, 0.2985, 0.3177



12.7267, 0.2984, 0.3290



29.9140, 0.2248, 0.3293



1.5434, 0.2248, 0.3292



# Inverse Universe

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



52.2384, 0.3287, 0.3290



81.7171, 0.3324, 0.3290



56.2687, 0.3276, 0.3401



11.2140, 0.3290, 0.3290



8.0807, 0.6398, 0.3298



0.4170, 0.6390, 0.3294



# Previews

## White Background



This preview shows how the Yxy color 59.1636, 0.2986, 0.3290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

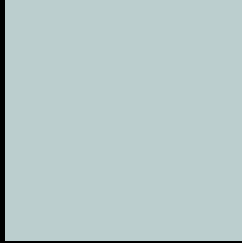
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.1636, 0.2986, 0.3290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

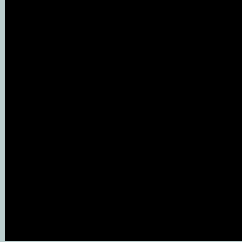
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

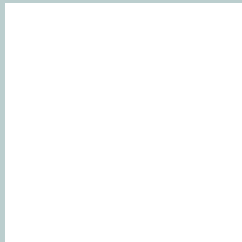
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.1636, 0.2986, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.1636, 0.2986, 0.3290.

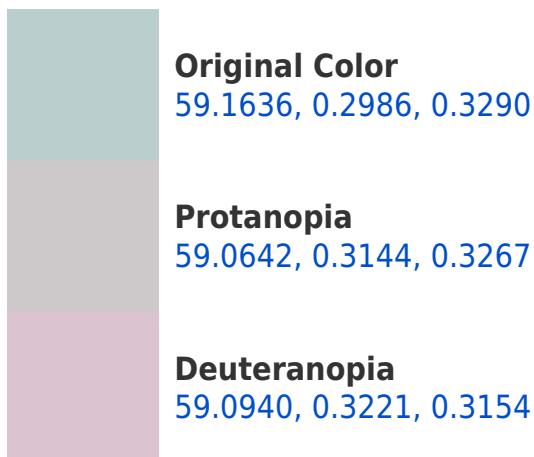


This preview shows how white text looks on a background with the Yxy color 59.1636, 0.2986, 0.3290.

# 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

59.1719, 0.2908, 0.3100

# Trichromacy



## Original Color

59.1636, 0.2986, 0.3290

## Protanomaly

59.0773, 0.3082, 0.3278

## Deuteranomaly

59.0789, 0.3131, 0.3209

## Tritanomaly

59.2603, 0.2933, 0.3170

# Monochromacy



## Original Color

59.1636, 0.2986, 0.3290

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

58.1074, 0.3074, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.1636, 0.2986, 0.3290 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(187, 206, 206)` looks like.

```
.text, #text, p{  
    color:rgb(187, 206, 206)  
}
```

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(187, 206, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 206, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 59.1636, 0.2986, 0.3290 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(187, 206, 206) }
```

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

```
.border{ border-color:rgb(187, 206, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 206, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 206, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 206, 206);  
box-shadow:4px 4px 4px 4px rgb(187, 206,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.1636, 0.2986, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 206, 206) }
```

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

```
.background{ background-color: rgb(187,  
206, 206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor