

# Converting Colors

$Y_{xy}(57.9261, 0.2921, 0.3327)$

Have a look what the booklet for  
Yxy(57.9261, 0.2921, 0.3327)  
contains.

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# Color

**Yxy(58.2154, 0.2921, 0.3327)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0CFCC
RGB	176, 207, 204
RGB Percent	69%, 81%, 80%
CMY	0.3099, 0.1882, 0.2001
CMYK	0.15, 0.00, 0.01, 0.19
HSL	174°, 24%, 75%
HSV	174°, 15%, 81%
XYZ	51.1113, 58.2154, 65.6520
YIQ	197.3890, -17.5130, -7.5050

# Conversions

## Conversions Part 2

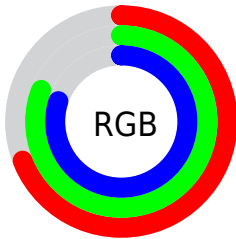
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	176, 192, 207
Decimal	11587532
CIE Lab	80.86, -10.90, -1.97
CIE LCh	81, 11.073, 190.227
Yxy	58.2154, 0.2921, 0.3327
Android (android.graphics.Color)	4289777612 (0xFFB0CFCC)
YUV	197.3890, 3.2592, -18.7582
Hunter-Lab	76.2990, -13.9495, 2.3928

# Details

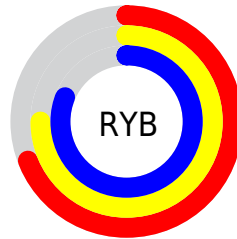
The Yxy color **58.2154, 0.2921, 0.3327** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.5683, 0.3379, 0.3254**, and the grayscale version is **56.0690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **29.1954, 0.2867, 0.3339** is the 20% darker color. If you saturate the color by 10%, you get **55.8895, 0.2793, 0.3354**, and if you desaturate by 10%, it is **60.9154, 0.3057, 0.3302**.

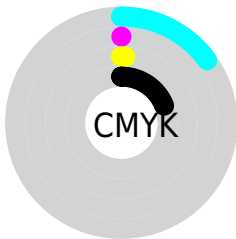
# Distribution



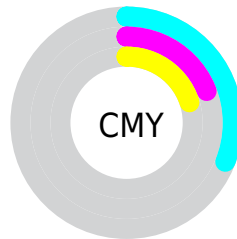
- Red (69%)
- Green (81%)
- Blue (80%)



- Red (69%)
- Yellow (75%)
- Blue (81%)



- Cyan (15%)
- Magenta (0%)
- Yellow (1%)
- Black (19%)




- Cyan (31%)
- Magenta (19%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2154, 0.2921, 0.3327 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 58.2154, 0.2921, 0.3327 by changing the saturation by 10% instead.




 58.2154, 0.2921,  
0.3327

 58.2154, 0.2921,  
0.3327

417.9881, 0.3020,  
0.3310

 41.9818, 0.2897,  
0.3331

 102.2365, 0.2956,  
0.3321

 29.0871, 0.2868,  
0.3336


130.7928, 0.2969,  
0.3319

 19.1467, 0.2830,  
0.3342


164.2254, 0.2981,  
0.3317

 11.7763, 0.2778,  
0.3350

202.9189, 0.2991,  
0.3315

 6.5916, 0.2705,  
0.3361

247.2574, 0.2999,  
0.3313

 3.2080, 0.2594,  
0.3377

297.6256, 0.3007,

 1.2413, 0.2403,

0.3312

0.3401

354.4077, 0.3014,  
0.3311

0.0950, 0.0000,  
0.2829

0.0000, 0.0000,  
0.0000

58.2154, 0.2921,  
0.3327

58.2154, 0.2921,  
0.3327

55.8895, 0.2793,  
0.3354

60.9154, 0.3057,  
0.3302

53.9138, 0.2677,  
0.3384


63.9977, 0.3199,  
0.3279


52.2728, 0.2575,  
0.3415

67.4795, 0.3343,  
0.3258

50.9470, 0.2490,  
0.3447


70.6483, 0.3459,  
0.3239

 49.9150, 0.2423,  
0.3481


 70.7513, 0.3444,  
0.3219

 49.1526, 0.2375,  
0.3514


 70.8556, 0.3429,  
0.3198


 48.6318, 0.2346,  
0.3548

 70.9612, 0.3414,  
0.3178

 48.3183, 0.2334,  
0.3581

 71.0680, 0.3399,  
0.3157

 48.2077, 0.2333,  
0.3598

 71.1762, 0.3383,  
0.3137

# Harmonies

## Analogous

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



58.2154, 0.3040, 0.3450



58.2154, 0.2921, 0.3327



58.2154, 0.2857, 0.3196

# Triad

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



58.2154, 0.2921, 0.3327



58.2154, 0.3065, 0.3065



58.2154, 0.3397, 0.3480

# Complementary

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



58.2154, 0.2921, 0.3327



47.5683, 0.3379, 0.3254

# 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.



58.2154, 0.3405, 0.3374



58.2154, 0.2921, 0.3327



58.2154, 0.3211, 0.3138

# Square

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



58.2154, 0.2921, 0.3327



58.2154, 0.2939, 0.3049



58.2154, 0.3336, 0.3249



58.2154, 0.3316, 0.3538



# Rectangle

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



58.2154, 0.2921, 0.3327



58.2154, 0.2853, 0.3124



58.2154, 0.3336, 0.3249



58.2154, 0.3409, 0.3448

# Sweetspot

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



58.2178, 0.2921, 0.3327



98.0524, 0.3070, 0.3300



57.3593, 0.3132, 0.3684



20.9113, 0.3060, 0.3301



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.



58.2178, 0.2921, 0.3327



92.0238, 0.2879, 0.3336



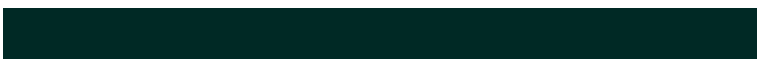
52.5859, 0.2896, 0.3134



13.3863, 0.2996, 0.3313



30.3774, 0.2331, 0.3593



1.7044, 0.2314, 0.3532



# Inverse Universe

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



47.5683, 0.3379, 0.3254



71.7443, 0.3445, 0.3245



52.5372, 0.3383, 0.3441



11.8268, 0.3275, 0.3268



8.3966, 0.6279, 0.3232



0.4761, 0.5943, 0.3048



# Previews

## White Background



This preview shows how the Yxy color 58.2154, 0.2921, 0.3327 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 58.2154, 0.2921, 0.3327 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

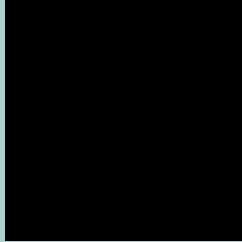
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

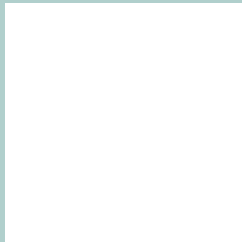
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.2154, 0.2921, 0.3327**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.2154, 0.2921, 0.3327.



This preview shows how white text looks on a background with the Yxy color 58.2154, 0.2921, 0.3327.

# 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

58.2154, 0.2921, 0.3327

### Protanopia

57.8543, 0.3159, 0.3278

### Deuteranopia

57.8403, 0.3214, 0.3142



## Tritanopia

57.9899, 0.2831, 0.3084

# Trichromacy



## Original Color

58.2154, 0.2921, 0.3327

## Protanomaly

57.9274, 0.3073, 0.3302

## Deuteranomaly

57.8596, 0.3100, 0.3207

## Tritanomaly

58.0339, 0.2863, 0.3167

# Monochromacy



## Original Color

58.2154, 0.2921, 0.3327

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

56.7622, 0.3042, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.2154, 0.2921, 0.3327 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(176, 207, 204)` looks like.

```
.text, #text, p{  
    color:rgb(176, 207, 204)  
}
```

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(176, 207, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 207, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 58.2154, 0.2921, 0.3327 is called "border". The border property can be set on classes, ids or directly on the HTML element.

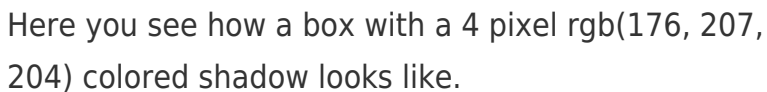
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 207, 204) }
```

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

```
.border{ border-color:rgb(176, 207, 204) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 207, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 207, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 207, 204);  
box-shadow:4px 4px 4px 4px rgb(176, 207,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.2154, 0.2921, 0.3327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 207, 204) }
```

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

```
.background{ background-color: rgb(176,  
207, 204) }
```

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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