

# Converting Colors

$Y_{xy}(58.1951, 0.2925, 0.3335)$

Have a look what the booklet for  
Yxy(58.1951, 0.2925, 0.3335)  
contains.

<b>Yxy(58.1676, 0.2927, 0.3339)</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(58.1676, 0.2927, 0.3339)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0CFCB
RGB	176, 207, 203
RGB Percent	69%, 81%, 80%
CMY	0.3100, 0.1882, 0.2039
CMYK	0.15, 0.00, 0.02, 0.19
HSL	172°, 24%, 75%
HSV	172°, 15%, 81%
XYZ	50.9903, 58.1676, 65.0488
YIQ	197.2750, -17.1920, -7.8160

# Conversions

## Conversions Part 2

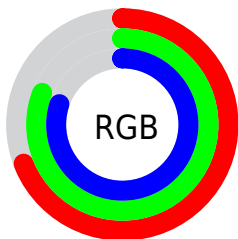
Format	Color
R <sub>YB</sub>	176, 193, 207
Decimal	11587531
CIE Lab	80.83, -11.10, -1.49
CIE LCh	81, 11.204, 187.657
Yxy	58.1676, 0.2927, 0.3339
Android (android.graphics.Color)	4289777611 (0xFFB0CFCB)
YUV	197.2750, 2.8224, -18.6582
Hunter-Lab	76.2677, -14.1287, 2.8189

# Details

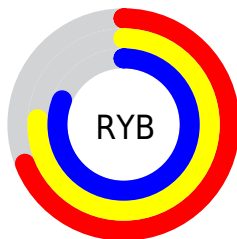
The Yxy color **58.1676, 0.2927, 0.3339** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.5938, 0.3371, 0.3242**, and the grayscale version is **55.9972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **29.1633, 0.2875, 0.3356** is the 20% darker color. If you saturate the color by 10%, you get **55.8128, 0.2803, 0.3375**, and if you desaturate by 10%, it is **60.8973, 0.3059, 0.3306**.

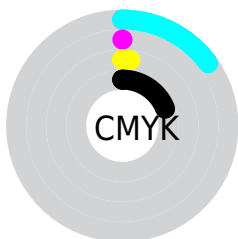
# Distribution



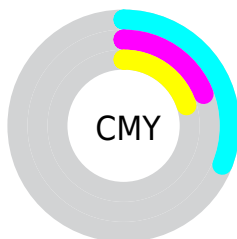
- Red (69%)
- Green (81%)
- Blue (80%)



- Red (69%)
- Yellow (76%)
- Blue (81%)



- Cyan (15%)
- Magenta (0%)
- Yellow (2%)
- Black (19%)




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.1676, 0.2927, 0.3339 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 58.1676, 0.2927, 0.3339 by changing the saturation by 10% instead.




 58.1676, 0.2927,  
0.3339

 58.1676, 0.2927,  
0.3339


417.8102, 0.3023,  
0.3316

 41.9434, 0.2904,  
0.3344

 102.1669, 0.2961,  
0.3331

 29.0570, 0.2875,  
0.3351


130.7108, 0.2974,  
0.3328

 19.1239, 0.2838,  
0.3360


164.1300, 0.2985,  
0.3325

 11.7599, 0.2788,  
0.3371

202.8090, 0.2995,  
0.3323

 6.5804, 0.2717,  
0.3387

247.1321, 0.3003,  
0.3321

 3.2011, 0.2608,  
0.3411

297.4837, 0.3011,

 1.2376, 0.2421,

0.3319

354.2483, 0.3017,  
0.3317

0.3448

0.0921, 0.0000,  
0.3104

0.0000, 0.0000,  
0.0000

58.1676, 0.2927,  
0.3339

58.1676, 0.2927,  
0.3339

55.8128, 0.2803,  
0.3375

60.8973, 0.3059,  
0.3306

53.8091, 0.2690,  
0.3415

64.0103, 0.3196,  
0.3275

52.1411, 0.2591,  
0.3456

67.5237, 0.3336,  
0.3248

50.7891, 0.2508,  
0.3499

70.7312, 0.3447,  
0.3223

■ 49.7318, 0.2443,  
0.3544

■ 70.8682, 0.3427,  
0.3196

■ 48.9449, 0.2397,  
0.3589

■ 71.0075, 0.3407,  
0.3169

■ 48.4004, 0.2370,  
0.3634

■ 71.1490, 0.3387,  
0.3142

■ 48.0641, 0.2362,  
0.3678

■ 71.2928, 0.3368,  
0.3116

■ 47.9427, 0.2361,  
0.3701

■ 71.4388, 0.3348,  
0.3089

# Harmonies

## Analogous

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



58.1676, 0.3051, 0.3461



58.1676, 0.2927, 0.3339



58.1676, 0.2857, 0.3206

# Triad

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



58.1676, 0.2927, 0.3339



58.1676, 0.3052, 0.3058



58.1676, 0.3404, 0.3474

# Complementary

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



58.1676, 0.2927, 0.3339



47.5938, 0.3371, 0.3242

# 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.



58.1676, 0.3406, 0.3364



58.1676, 0.2927, 0.3339



58.1676, 0.3200, 0.3128

# Square

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



58.1676, 0.2927, 0.3339



58.1676, 0.2928, 0.3047



58.1676, 0.3330, 0.3238



58.1676, 0.3327, 0.3539



# Rectangle

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



58.1676, 0.2927, 0.3339



58.1676, 0.2849, 0.3130



58.1676, 0.3330, 0.3238



58.1676, 0.3414, 0.3441

# Sweetspot

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



58.1700, 0.2927, 0.3339



97.5562, 0.3058, 0.3306



57.4803, 0.3140, 0.3684



20.8103, 0.3049, 0.3308



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

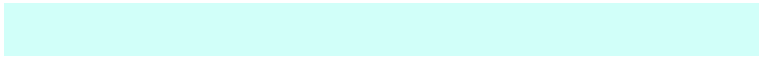


# Same Dimension

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



58.1700, 0.2927, 0.3339



91.9351, 0.2886, 0.3350



53.0418, 0.2896, 0.3147



13.3798, 0.3000, 0.3320



30.2112, 0.2360, 0.3694



1.6967, 0.2337, 0.3612



# Inverse Universe

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



47.5938, 0.3371, 0.3242



71.8168, 0.3434, 0.3231



52.0868, 0.3385, 0.3429



11.8327, 0.3271, 0.3260



8.4145, 0.6225, 0.3203



0.4788, 0.5816, 0.2978



# Previews

## White Background



This preview shows how the Yxy color 58.1676, 0.2927, 0.3339 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

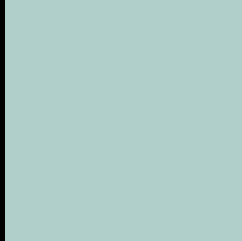
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.1676, 0.2927, 0.3339 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

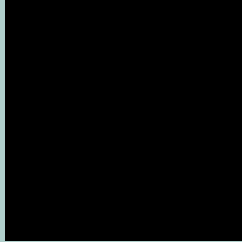
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

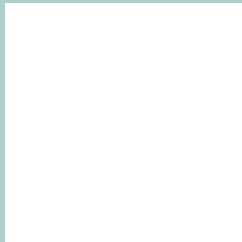
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.1676, 0.2927, 0.3339**

## Background



This preview shows how black text looks on a background with the Yxy color 58.1676, 0.2927, 0.3339.

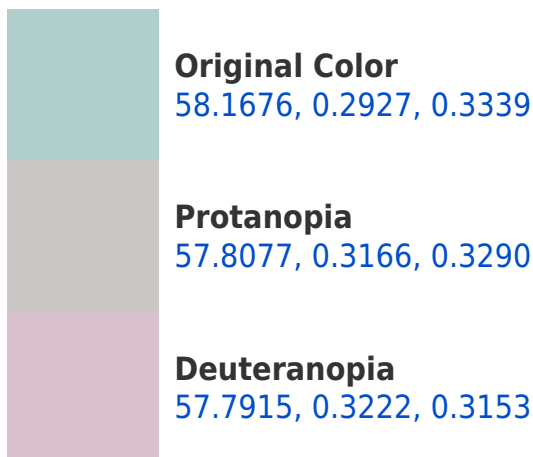


This preview shows how white text looks on a background with the Yxy color 58.1676, 0.2927, 0.3339.

# 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

57.9899, 0.2831, 0.3084

# Trichromacy



## Original Color

58.1676, 0.2927, 0.3339

## Protanomaly

57.8805, 0.3080, 0.3314

## Deuteranomaly

57.8112, 0.3107, 0.3219

## Tritanomaly

57.9827, 0.2869, 0.3180

# Monochromacy



## Original Color

58.1676, 0.2927, 0.3339

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

56.7156, 0.3049, 0.3314

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.1676, 0.2927, 0.3339 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(176, 207, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 207, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 58.1676, 0.2927, 0.3339 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, 203) }
```

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

```
.border{ border-color:rgb(176, 207, 203) }
```

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, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 207, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 207, 203);  
box-shadow:4px 4px 4px 4px rgb(176, 207,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.1676, 0.2927, 0.3339 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, 203) }
```

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

```
.background{ background-color: rgb(176,  
207, 203) }
```

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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