

Converting Colors

$Y_{xy}(57.1845, 0.2895, 0.3179)$

Have a look what the booklet for
Yxy(57.1845, 0.2895, 0.3179)
contains.

Yxy(57.1686, 0.2895, 0.3179)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(57.1686, 0.2895, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	B4CBD4
RGB	180, 203, 212
RGB Percent	71%, 80%, 83%
CMY	0.2942, 0.2039, 0.1685
CMYK	0.15, 0.04, 0.00, 0.17
HSL	197°, 27%, 77%
HSV	197°, 15%, 83%
XYZ	52.0614, 57.1686, 70.6021
YIQ	197.1490, -16.5970, -2.0770

Conversions

Conversions Part 2

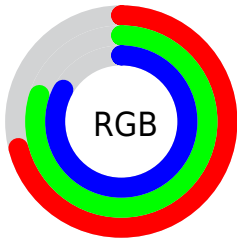
Format	Color
RYB	180, 193, 212
Decimal	11848660
CIELab	80.27, -5.88, -7.12
CIELCh	80, 9.229, 230.457
Yxy	57.1686, 0.2895, 0.3179
Android (android.graphics.Color)	4290038740 (0xFFB4CBD4)
YUV	197.1490, 7.3215, -15.0397
Hunter-Lab	75.6099, -9.4108, -2.4361

Details

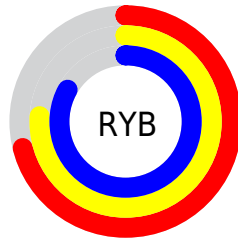
The Yxy color **57.1686, 0.2895, 0.3179** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.6958, 0.3392, 0.3398**, and the grayscale version is **55.8920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **28.4412, 0.2841, 0.3158** is the 20% darker color. If you saturate the color by 10%, you get **52.0510, 0.2743, 0.3097**, and if you desaturate by 10%, it is **62.7889, 0.3049, 0.3254**.

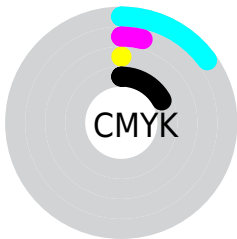
Distribution



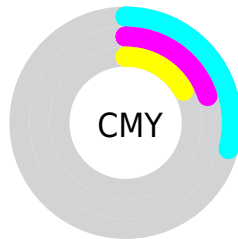
- Red (71%)
- Green (80%)
- Blue (83%)



- Red (71%)
- Yellow (76%)
- Blue (83%)



- Cyan (15%)
- Magenta (4%)
- Yellow (0%)
- Black (17%)



- Cyan (29%)
- Magenta (20%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.1686, 0.2895, 0.3179 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 57.1686, 0.2895, 0.3179 by changing the saturation by 10% instead.

■ 57.1686, 0.2895,
0.3179

■ 57.1686, 0.2895,
0.3179

414.0808, 0.3006,
0.3234

■ 41.1406, 0.2869,
0.3166

■ 100.7112, 0.2934,
0.3199

■ 28.4290, 0.2835,
0.3149

128.9945, 0.2950,
0.3206

■ 18.6493, 0.2792,
0.3127

162.1318, 0.2962,
0.3212

■ 11.4171, 0.2734,
0.3096

200.5074, 0.2974,
0.3218

■ 6.3481, 0.2652,
0.3053

244.5057, 0.2983,
0.3222

■ 3.0579, 0.2528,
0.2984

294.5111, 0.2992,

■ 1.1620, 0.2317,

0.3227

0.2860

350.9080, 0.3000,
0.3230

0.0304, 0.0000,
0.0541

0.0000, 0.0000,
0.0000

57.1686, 0.2895,
0.3179

57.1686, 0.2895,
0.3179

52.0510, 0.2743,
0.3097

62.7889, 0.3049,
0.3254

47.4102, 0.2597,
0.3007

68.9224, 0.3202,
0.3322

43.2283, 0.2459,
0.2912

75.5883, 0.3352,
0.3383

39.4834, 0.2333,
0.2811

80.8977, 0.3426,
0.3440

■ 36.1514, 0.2222,
0.2707

■ 84.2201, 0.3417,
0.3499

■ 33.2053, 0.2130,
0.2601

■ 87.6568, 0.3407,
0.3557

■ 30.6139, 0.2057,
0.2494

■ 91.2092, 0.3397,
0.3615

■ 28.3395, 0.2004,
0.2389

■ 94.8781, 0.3388,
0.3671

■ 27.3124, 0.1983,
0.2338

■ 97.5354, 0.3381,
0.3710

Harmonies

Analogous

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



57.1686, 0.2930, 0.3283



57.1686, 0.2895, 0.3179



57.1686, 0.2921, 0.3108

Triad

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



57.1686, 0.2895, 0.3179



57.1686, 0.3237, 0.3191



57.1686, 0.3251, 0.3502

Complementary

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



57.1686, 0.2895, 0.3179



53.6958, 0.3392, 0.3398

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.



57.1686, 0.3336, 0.3472



57.1686, 0.2895, 0.3179



57.1686, 0.3329, 0.3292

Square

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



57.1686, 0.2895, 0.3179



57.1686, 0.3117, 0.3116



57.1686, 0.3365, 0.3394



57.1686, 0.3134, 0.3473

Rectangle

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



57.1686, 0.2895, 0.3179



57.1686, 0.2970, 0.3087



57.1686, 0.3365, 0.3394



57.1686, 0.3285, 0.3498

Sweetspot

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



57.1710, 0.2895, 0.3179



95.3914, 0.3050, 0.3255



60.4600, 0.3051, 0.3582



20.2825, 0.3039, 0.3250



0.0000, 0.0000, 0.0000



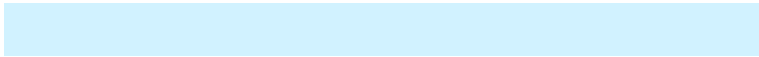
21.4041, 0.3127, 0.3290

Same Dimension

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



57.1710, 0.2895, 0.3179



84.3362, 0.2848, 0.3154



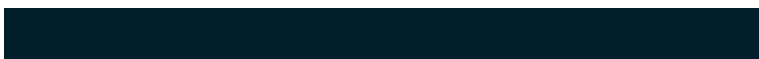
50.1913, 0.2888, 0.2984



13.4890, 0.2982, 0.3223



17.0320, 0.1987, 0.2353



1.1642, 0.2037, 0.2534

Inverse Universe

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



50.9481, 0.3217, 0.3020



73.3251, 0.3238, 0.2964



60.7480, 0.3365, 0.3579



12.5703, 0.3180, 0.3124



10.0642, 0.4072, 0.2017



0.6209, 0.3889, 0.1916

Previews

White Background



This preview shows how the Yxy color 57.1686, 0.2895, 0.3179 looks on a white background.

Color Contrast Check

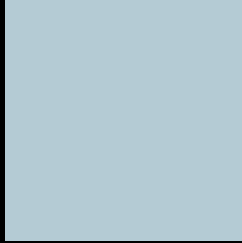
Large Text (above 18pt) WCAG AA × Fail

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 57.1686, 0.2895, 0.3179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

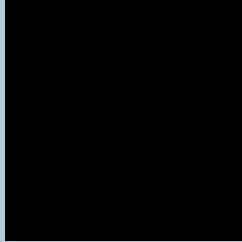
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

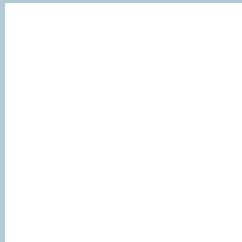
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.1686, 0.2895, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 57.1686, 0.2895, 0.3179.



This preview shows how white text looks on a background with the Yxy color 57.1686, 0.2895, 0.3179.

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

57.1686, 0.2895, 0.3179

Protanopia

57.1337, 0.3056, 0.3160

Deuteranopia

56.8439, 0.3115, 0.3049



Tritanopia

57.1268, 0.2863, 0.3096

Trichromacy



Original Color

57.1686, 0.2895, 0.3179

Protanomaly

57.1682, 0.2996, 0.3170

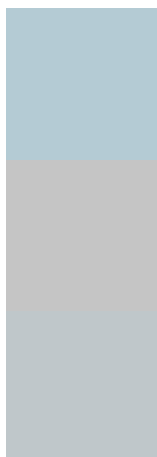
Deuteranomaly

57.0160, 0.3035, 0.3102

Tritanomaly

57.0227, 0.2876, 0.3119

Monochromacy



Original Color

57.1686, 0.2895, 0.3179

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

56.1875, 0.3044, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.1686, 0.2895, 0.3179 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(180, 203, 212)` looks like.

```
.text, #text, p{  
    color:rgb(180, 203, 212)  
}
```

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(180, 203, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 203, 212) }
```

Border

The CSS property to change the border of an element to Yxy 57.1686, 0.2895, 0.3179 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(180, 203, 212) }
```

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

```
.border{ border-color:rgb(180, 203, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 203, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 203, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 203, 212);  
box-shadow:4px 4px 4px 4px rgb(180, 203,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 57.1686, 0.2895, 0.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 203, 212) }
```

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

```
.background{ background-color: rgb(180,  
203, 212) }
```

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