

Converting Colors

Yxy(58.8581, 0.2865, 0.3156)

Have a look what the booklet for
Yxy(58.8581, 0.2865, 0.3156)
contains.

Yxy(58.8557, 0.2865, 0.3156)	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(58.8557, 0.2865, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	B4CED9
RGB	180, 206, 217
RGB Percent	71%, 81%, 85%
CMY	0.2939, 0.1922, 0.1489
CMYK	0.17, 0.05, 0.00, 0.15
HSL	198°, 33%, 78%
HSV	198°, 17%, 85%
XYZ	53.4289, 58.8557, 74.2037
YIQ	199.4800, -19.0270, -2.0910

Conversions

Conversions Part 2

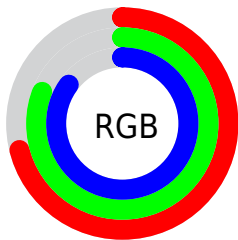
Format	Color
RYB	180, 195, 217
Decimal	11849433
CIELab	81.21, -6.37, -8.40
CIELCh	81, 10.537, 232.821
Yxy	58.8557, 0.2865, 0.3156
Android (android.graphics.Color)	4290039513 (0xFFB4CED9)
YUV	199.4800, 8.6374, -17.0840
Hunter-Lab	76.7175, -9.9415, -3.6450

Details

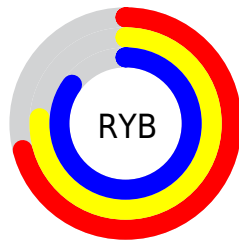
The Yxy color **58.8557, 0.2865, 0.3156** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.3508, 0.3430, 0.3420**, and the grayscale version is **57.3844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **29.5771, 0.2802, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **53.3992, 0.2713, 0.3067**, and if you desaturate by 10%, it is **64.8534, 0.3019, 0.3237**.

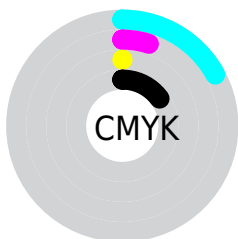
Distribution



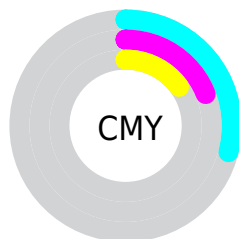
- Red (71%)
- Green (81%)
- Blue (85%)



- Red (71%)
- Yellow (76%)
- Blue (85%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (15%)



- Cyan (29%)
- Magenta (19%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.8557, 0.2865, 0.3156 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 58.8557, 0.2865, 0.3156 by changing the saturation by 10% instead.

■ 58.8557, 0.2865,
0.3156

■ 58.8557, 0.2865,
0.3156

420.3670, 0.2990,
0.3221

■ 42.4970, 0.2836,
0.3140

■ 103.1679, 0.2909,
0.3179

■ 29.4906, 0.2799,
0.3120

131.8902, 0.2926,
0.3188

■ 19.4523, 0.2751,
0.3094

165.5024, 0.2941,
0.3196

■ 11.9975, 0.2687,
0.3058

204.3890, 0.2953,
0.3202

■ 6.7420, 0.2598,
0.3007

248.9344, 0.2964,
0.3208

■ 3.3013, 0.2464,
0.2927

299.5229, 0.2974,

■ 1.2910, 0.2241,

0.3213

0.2787

356.5390, 0.2982,
0.3218

0.1342, 0.0000,
0.1547

0.0000, 0.0000,
0.0000

58.8557, 0.2865,
0.3156

58.8557, 0.2865,
0.3156

53.3992, 0.2713,
0.3067

64.8534, 0.3019,
0.3237

48.4561, 0.2566,
0.2970

71.4042, 0.3172,
0.3311

44.0069, 0.2428,
0.2868

78.5287, 0.3323,
0.3377

40.0278, 0.2303,
0.2759

83.9245, 0.3385,
0.3439

■ 36.4924, 0.2193,
0.2648

■ 87.6357, 0.3375,
0.3502

■ 33.3712, 0.2102,
0.2534

■ 91.4827, 0.3366,
0.3565

■ 30.6297, 0.2031,
0.2421

■ 95.4668, 0.3357,
0.3626

■ 28.2234, 0.1979,
0.2309

■ 97.7909, 0.3351,
0.3661

■ 27.5521, 0.1966,
0.2276

Harmonies

Analogous

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



58.8557, 0.2899, 0.3272



58.8557, 0.2865, 0.3156



58.8557, 0.2900, 0.3080

Triad

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



58.8557, 0.2865, 0.3156



58.8557, 0.3261, 0.3187



58.8557, 0.3258, 0.3530

Complementary

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



58.8557, 0.2865, 0.3156



55.3508, 0.3430, 0.3420

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.



58.8557, 0.3358, 0.3500



58.8557, 0.2865, 0.3156



58.8557, 0.3361, 0.3301

Square

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



58.8557, 0.2865, 0.3156



58.8557, 0.3127, 0.3099



58.8557, 0.3397, 0.3416



58.8557, 0.3123, 0.3492

Rectangle

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



58.8557, 0.2865, 0.3156



58.8557, 0.2957, 0.3060



58.8557, 0.3397, 0.3416



58.8557, 0.3297, 0.3527

Sweetspot

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



58.8581, 0.2865, 0.3156



95.2580, 0.3050, 0.3253



63.0872, 0.3038, 0.3615



20.2500, 0.3039, 0.3247



0.0000, 0.0000, 0.0000



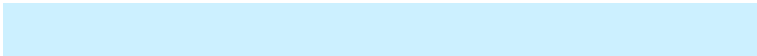
21.4041, 0.3127, 0.3290

Same Dimension

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



58.8581, 0.2865, 0.3156



82.2488, 0.2817, 0.3129



50.7136, 0.2854, 0.2933



14.1393, 0.2982, 0.3219



16.8674, 0.1970, 0.2292



1.2405, 0.2021, 0.2474

Inverse Universe

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



51.8745, 0.3235, 0.2991



70.7240, 0.3258, 0.2934



63.6591, 0.3396, 0.3624



13.2052, 0.3183, 0.3127



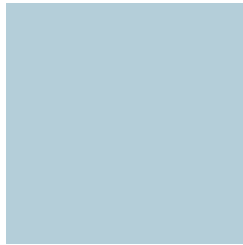
10.3265, 0.4135, 0.2051



0.6839, 0.3948, 0.1949

Previews

White Background



This preview shows how the Yxy color 58.8557, 0.2865, 0.3156 looks on a white background.

Color Contrast Check

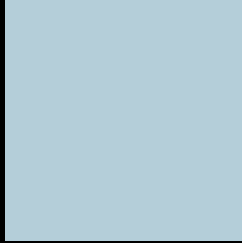
Large Text (above 18pt) WCAG AA × Fail

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 58.8557, 0.2865, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

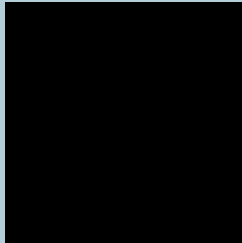
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

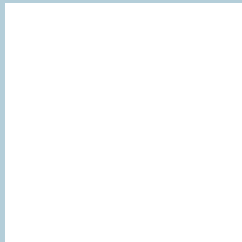
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.8557, 0.2865, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 58.8557, 0.2865, 0.3156.

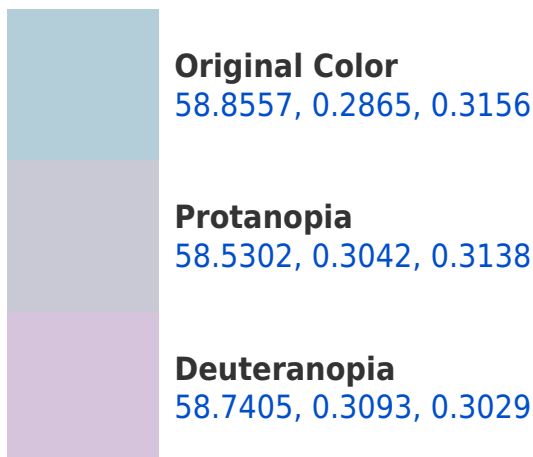


This preview shows how white text looks on a background with the Yxy color 58.8557, 0.2865, 0.3156.

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

58.7603, 0.2839, 0.3086

Trichromacy



Original Color

58.8557, 0.2865, 0.3156

Protanomaly

58.4336, 0.2976, 0.3147

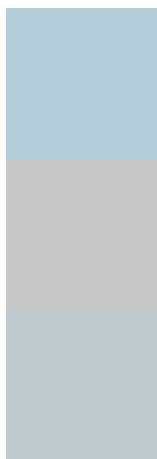
Deuteranomaly

58.7880, 0.3008, 0.3081

Tritanomaly

58.6537, 0.2852, 0.3109

Monochromacy



Original Color

58.8557, 0.2865, 0.3156

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

57.9038, 0.3023, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8557, 0.2865, 0.3156 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, 206, 217)` looks like.

```
.text, #text, p{  
    color:rgb(180, 206, 217)  
}
```

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, 206, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 206, 217) }
```

Border

The CSS property to change the border of an element to Yxy 58.8557, 0.2865, 0.3156 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, 206, 217) }
```

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

```
.border{ border-color:rgb(180, 206, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 206, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 206, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 206, 217);  
box-shadow:4px 4px 4px 4px rgb(180, 206,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8557, 0.2865, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 206, 217) }
```

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

```
.background{ background-color: rgb(180,  
206, 217) }
```

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