

# Converting Colors

Yxy(58.2782, 0.2963, 0.3326)

Have a look what the booklet for  
Yxy(58.2782, 0.2963, 0.3326)  
contains.

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# Color

**Yxy(58.2782, 0.2963, 0.3326)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5CECB
RGB	181, 206, 203
RGB Percent	71%, 81%, 80%
CMY	0.2900, 0.1922, 0.2038
CMYK	0.12, 0.00, 0.01, 0.19
HSL	173°, 20%, 76%
HSV	173°, 12%, 81%
XYZ	51.9177, 58.2782, 65.0242
YIQ	198.1830, -13.9370, -6.2330

# Conversions

## Conversions Part 2

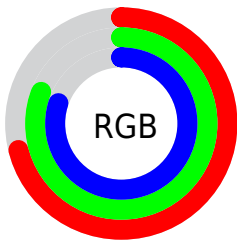
Format	Color
<a href="#">RYB</a>	<a href="#">181, 194, 206</a>
Decimal	<a href="#">11914955</a>
CIELab	<a href="#">80.89, -8.92, -1.37</a>
CIELCh	<a href="#">81, 9.024, 188.705</a>
Yxy	<a href="#">58.2782, 0.2963, 0.3326</a>
Android (android.graphics.Color)	<a href="#">4290105035 (0xFFB5CECB)</a>
YUV	<a href="#">198.1830, 2.3748, -15.0695</a>
Hunter-Lab	<a href="#">76.3402, -12.2003, 2.9367</a>

# Details

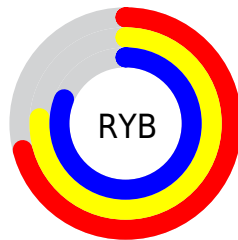
The Yxy color **58.2782, 0.2963, 0.3326** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.6516, 0.3319, 0.3254**, and the grayscale version is **56.5877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **29.2156, 0.2921, 0.3339** is the 20% darker color. If you saturate the color by 10%, you get **55.8549, 0.2835, 0.3359**, and if you desaturate by 10%, it is **61.0764, 0.3098, 0.3296**.

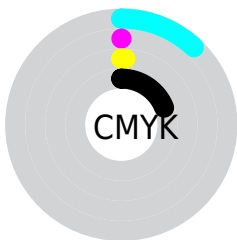
# Distribution



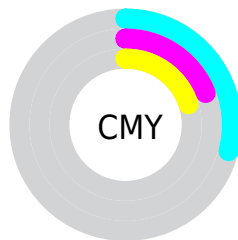
- Red (71%)
- Green (81%)
- Blue (80%)



- Red (71%)
- Yellow (76%)
- Blue (81%)



- Cyan (12%)
- Magenta (0%)
- Yellow (1%)
- Black (19%)




- Cyan (29%)
- Magenta (19%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2782, 0.2963, 0.3326 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 58.2782, 0.2963, 0.3326 by changing the saturation by 10% instead.




 58.2782, 0.2963,  
0.3326

 58.2782, 0.2963,  
0.3326


418.2218, 0.3042,  
0.3309

 42.0323, 0.2944,  
0.3330


 102.3279, 0.2991,  
0.3320

 29.1266, 0.2921,  
0.3335


130.9005, 0.3002,  
0.3318

 19.1766, 0.2890,  
0.3341


164.3508, 0.3011,  
0.3316

 11.7980, 0.2849,  
0.3350

203.0632, 0.3019,  
0.3314

 6.6063, 0.2790,  
0.3361

247.4221, 0.3026,  
0.3313

 3.2171, 0.2701,  
0.3379

297.8119, 0.3032,

 1.2461, 0.2546,

0.3311

0.3407

354.6170, 0.3037,  
0.3310

0.0989, 0.0000,  
0.3274

0.0000, 0.0000,  
0.0000

58.2782, 0.2963,  
0.3326

58.2782, 0.2963,  
0.3326

55.8549, 0.2835,  
0.3359

61.0764, 0.3098,  
0.3296

53.7831, 0.2718,  
0.3394


64.2574, 0.3238,  
0.3269


52.0479, 0.2613,  
0.3432


67.8378, 0.3379,  
0.3244


50.6306, 0.2525,  
0.3471

70.1932, 0.3455,  
0.3221

 49.5107, 0.2454,  
0.3512


 70.3186, 0.3437,  
0.3196


 48.6650, 0.2402,  
0.3553


 70.4458, 0.3418,  
0.3172


 48.0672, 0.2369,  
0.3595

 70.5750, 0.3400,  
0.3147

 47.6856, 0.2354,  
0.3636

 70.7061, 0.3382,  
0.3122

 47.4928, 0.2352,  
0.3668

 70.8391, 0.3363,  
0.3098

# Harmonies

## Analogous

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



58.2782, 0.3062, 0.3424



58.2782, 0.2963, 0.3326



58.2782, 0.2908, 0.3219

# Triad

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



58.2782, 0.2963, 0.3326



58.2782, 0.3071, 0.3104



58.2782, 0.3349, 0.3442

# Complementary

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



58.2782, 0.2963, 0.3326



49.6516, 0.3319, 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.



58.2782, 0.3352, 0.3354



58.2782, 0.2963, 0.3326



58.2782, 0.3190, 0.3161

# Square

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



58.2782, 0.2963, 0.3326



58.2782, 0.2969, 0.3094



58.2782, 0.3293, 0.3252



58.2782, 0.3285, 0.3491



# Rectangle

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



58.2782, 0.2963, 0.3326



58.2782, 0.2903, 0.3159



58.2782, 0.3293, 0.3252



58.2782, 0.3357, 0.3416

# Sweetspot

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



58.2806, 0.2963, 0.3326



98.0385, 0.3071, 0.3302



57.7132, 0.3138, 0.3602



20.9078, 0.3061, 0.3304



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.



58.2806, 0.2963, 0.3326



93.1635, 0.2923, 0.3336



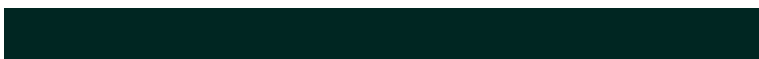
54.1488, 0.2941, 0.3176



12.7032, 0.2999, 0.3318



29.2574, 0.2351, 0.3662



1.5160, 0.2328, 0.3582



# Inverse Universe

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



49.6516, 0.3319, 0.3254



75.9936, 0.3377, 0.3245



53.3710, 0.3330, 0.3401



11.2350, 0.3272, 0.3263



8.1296, 0.6241, 0.3212

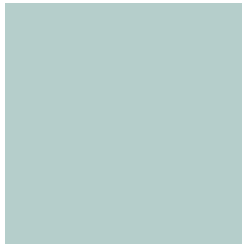


0.4268, 0.5831, 0.2986



# Previews

## White Background



This preview shows how the Yxy color 58.2782, 0.2963, 0.3326 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

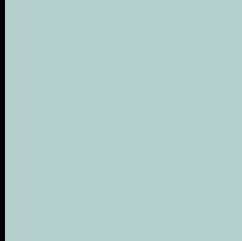
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.2782, 0.2963, 0.3326 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

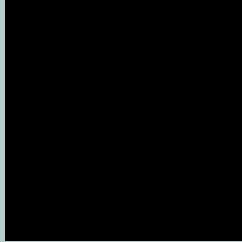
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

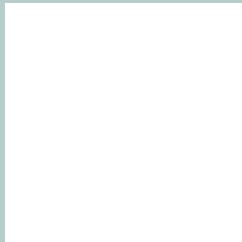
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.2782, 0.2963, 0.3326**

## Background



This preview shows how black text looks on a background with the Yxy color 58.2782, 0.2963, 0.3326.

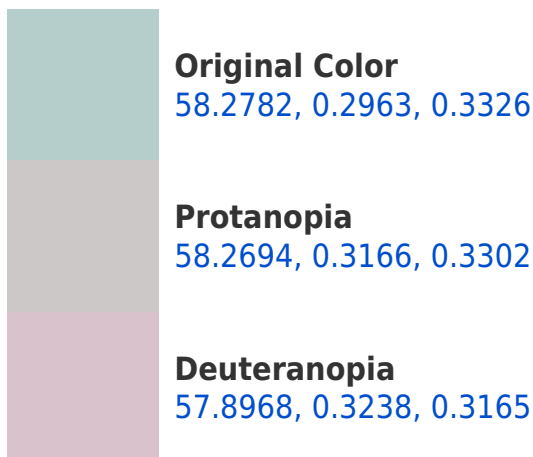


This preview shows how white text looks on a background with the Yxy color 58.2782, 0.2963, 0.3326.

# 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

58.0695, 0.2872, 0.3086

# Trichromacy



## Original Color

58.2782, 0.2963, 0.3326

## Protanomaly

58.1470, 0.3095, 0.3314

## Deuteranomaly

57.7269, 0.3138, 0.3220

## Tritanomaly

58.1081, 0.2904, 0.3168

# Monochromacy



## Original Color

58.2782, 0.2963, 0.3326

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

57.1499, 0.3065, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.2782, 0.2963, 0.3326 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(181, 206, 203)` looks like.

```
.text, #text, p{  
    color:rgb(181, 206, 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(181, 206, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 206, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 58.2782, 0.2963, 0.3326 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(181, 206, 203) }
```

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

```
.border{ border-color:rgb(181, 206, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 206, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 206, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 206, 203);  
box-shadow:4px 4px 4px 4px rgb(181, 206,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.2782, 0.2963, 0.3326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 206, 203) }
```

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

```
.background{ background-color: rgb(181,  
206, 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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