

Converting Colors

$Yxy(57.5766, 0.3015, 0.3452)$

Have a look what the booklet for
Yxy(57.5766, 0.3015, 0.3452)
contains.

Yxy(57.5766, 0.3015, 0.3452)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.5766, 0.3015, 0.3452)

Conversions

Conversions Part 1

Format	Color
Hex	B3CEC1
RGB	179, 206, 193
RGB Percent	70%, 81%, 76%
CMY	0.2981, 0.1921, 0.2430
CMYK	0.13, 0.00, 0.06, 0.19
HSL	151°, 22%, 75%
HSV	151°, 13%, 81%
XYZ	50.2878, 57.5766, 58.9276
YIQ	196.4450, -11.9190, -9.7670

Conversions

Conversions Part 2

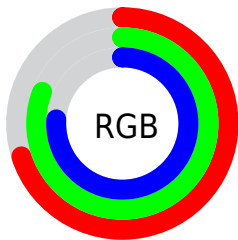
Format	Color
R _Y B	179, 197, 206
Decimal	11783873
CIE Lab	80.50, -11.56, 3.40
CIE LCh	81, 12.049, 163.618
Yxy	57.5766, 0.3015, 0.3452
Android (android.graphics.Color)	4289973953 (0xFFB3CEC1)
YUV	196.4450, -1.6984, -15.2993
Hunter-Lab	75.8792, -14.4906, 7.0710

Details

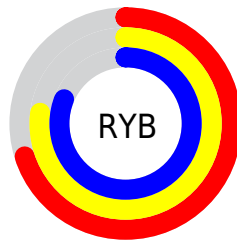
The Yxy color **57.5766, 0.3015, 0.3452** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.1644, 0.3256, 0.3133**, and the grayscale version is **55.5001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0217, 0.3039, 0.3349**, and **28.7855, 0.2980, 0.3492** is the 20% darker color. If you saturate the color by 10%, you get **54.8779, 0.2933, 0.3592**, and if you desaturate by 10%, it is **60.6765, 0.3100, 0.3326**.

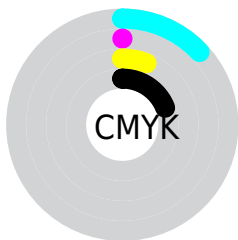
Distribution



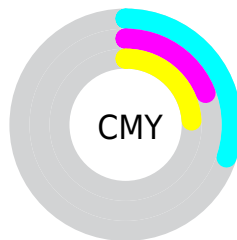
- Red (70%)
- Green (81%)
- Blue (76%)



- Red (70%)
- Yellow (77%)
- Blue (81%)



- Cyan (13%)
- Magenta (0%)
- Yellow (6%)
- Black (19%)





- Cyan (30%)
- Magenta (19%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.5766, 0.3015, 0.3452 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 57.5766, 0.3015, 0.3452 by changing the saturation by 10% instead.


 57.5766, 0.3015,
0.3452

 57.5766, 0.3015,
0.3452


415.6064, 0.3070,
0.3373

 41.4684, 0.3002,
0.3471


 101.3060, 0.3035,
0.3424

 28.6852, 0.2985,
0.3496


129.6960, 0.3042,
0.3413

 18.8428, 0.2963,
0.3527


162.9487, 0.3048,
0.3404

 11.5568, 0.2933,
0.3571

201.4485, 0.3054,
0.3396

 6.4426, 0.2891,
0.3634

245.5797, 0.3058,
0.3389

 3.1161, 0.2823,
0.3734

295.7269, 0.3063,

 1.1926, 0.2702,

0.3383

0.3916

352.2743, 0.3066,
0.3378

■ 0.0557, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.5766, 0.3015,
0.3452

■ 57.5766, 0.3015,
0.3452

■ 54.8779, 0.2933,
0.3592

■ 60.6765, 0.3100,
0.3326

■ 52.5562, 0.2857,
0.3745

■ 64.1859, 0.3187,
0.3214

■ 50.5960, 0.2789,
0.3912

■ 68.1223, 0.3272,
0.3115

■ 48.9777, 0.2734,
0.4089

■ 71.2667, 0.3308,
0.3024

■ 47.6800, 0.2694,
0.4275

■ 71.8473, 0.3237,
0.2928

■ 46.6788, 0.2672,
0.4464

■ 72.4602, 0.3167,
0.2835

■ 45.9467, 0.2670,
0.4651

■ 72.6249, 0.3150,
0.2811

■ 45.4506, 0.2689,
0.4833

■ 45.2064, 0.2709,
0.4953

Harmonies

Analogous

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



57.5766, 0.3171, 0.3545



57.5766, 0.3015, 0.3452



57.5766, 0.2891, 0.3314

Triad

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



57.5766, 0.3015, 0.3452



57.5766, 0.2935, 0.3025



57.5766, 0.3435, 0.3395

Complementary

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



57.5766, 0.3015, 0.3452



49.1644, 0.3256, 0.3133

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.



57.5766, 0.3368, 0.3260



57.5766, 0.3015, 0.3452



57.5766, 0.3077, 0.3051

Square

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



57.5766, 0.3015, 0.3452



57.5766, 0.2845, 0.3068



57.5766, 0.3236, 0.3136



57.5766, 0.3416, 0.3507

Rectangle

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



57.5766, 0.3015, 0.3452



57.5766, 0.2842, 0.3217



57.5766, 0.3236, 0.3136



57.5766, 0.3421, 0.3351

Sweetspot

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



57.5790, 0.3015, 0.3452



97.8048, 0.3092, 0.3338



58.6121, 0.3212, 0.3623



20.8485, 0.3086, 0.3347



0.0000, 0.0000, 0.0000



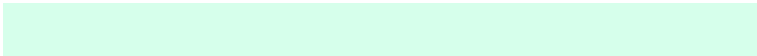
21.4041, 0.3127, 0.3290

Same Dimension

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



57.5790, 0.3015, 0.3452



91.8671, 0.2989, 0.3494



57.9677, 0.2928, 0.3284



12.6327, 0.3047, 0.3404



27.8550, 0.2702, 0.4928



1.4523, 0.2606, 0.4580

Inverse Universe

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



49.1644, 0.3256, 0.3133



75.3839, 0.3291, 0.3095



48.7949, 0.3364, 0.3296



11.3020, 0.3216, 0.3179



8.6541, 0.5024, 0.2541



0.4618, 0.4577, 0.2295

Previews

White Background



This preview shows how the Yxy color 57.5766, 0.3015, 0.3452 looks on a white background.

Color Contrast Check

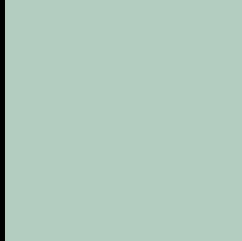
Large Text (above 18pt) WCAG AA × Fail

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 57.5766, 0.3015, 0.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

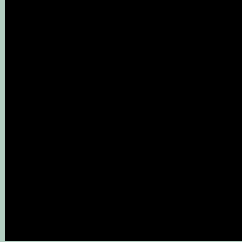
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

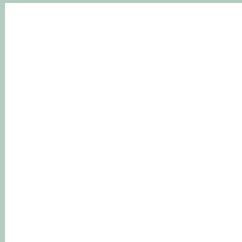
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.5766, 0.3015, 0.3452

Background



This preview shows how black text looks on a background with the Yxy color 57.5766, 0.3015, 0.3452.

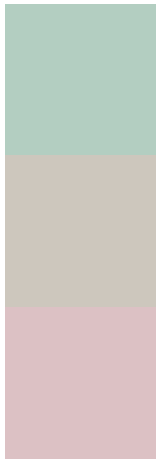


This preview shows how white text looks on a background with the Yxy color 57.5766, 0.3015, 0.3452.

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

57.5766, 0.3015, 0.3452

Protanopia

57.5001, 0.3249, 0.3410

Deuteranopia

57.3411, 0.3325, 0.3256



Tritanopia

57.3703, 0.2877, 0.3097

Trichromacy



Original Color

57.5766, 0.3015, 0.3452

Protanomaly

57.6945, 0.3167, 0.3436

Deuteranomaly

57.3074, 0.3205, 0.3326

Tritanomaly

57.2604, 0.2929, 0.3216

Monochromacy



Original Color

57.5766, 0.3015, 0.3452

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

56.1958, 0.3086, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.5766, 0.3015, 0.3452 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(179, 206, 193)` looks like.

```
.text, #text, p{  
    color:rgb(179, 206, 193)  
}
```

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(179, 206, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 206, 193) }
```

Border

The CSS property to change the border of an element to Yxy 57.5766, 0.3015, 0.3452 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(179, 206, 193) }
```

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

```
.border{ border-color:rgb(179, 206, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 206, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 206, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 206, 193);  
box-shadow:4px 4px 4px 4px rgb(179, 206,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 57.5766, 0.3015, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 206, 193) }
```

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

```
.background{ background-color: rgb(179,  
206, 193) }
```

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