

Converting Colors

$Yxy(57.6238, 0.2855, 0.3340)$

Have a look what the booklet for
Yxy(57.6238, 0.2855, 0.3340)
contains.

Yxy(57.5784, 0.2853, 0.3340)	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(57.5784, 0.2853, 0.3340)

Conversions

Conversions Part 1

Format	Color
Hex	A6D0CC
RGB	166, 208, 204
RGB Percent	65%, 82%, 80%
CMY	0.3489, 0.1843, 0.2001
CMYK	0.20, 0.00, 0.02, 0.18
HSL	174°, 31%, 73%
HSV	174°, 20%, 82%
XYZ	49.1830, 57.5784, 65.6290
YIQ	194.9860, -23.7480, -10.1480

Conversions

Conversions Part 2

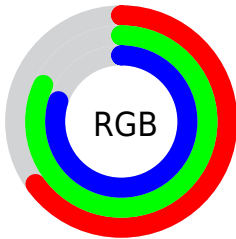
Format	Color
R _{YB}	166, 188, 208
Decimal	10932428
CIE Lab	80.50, -14.55, -2.56
CIE LCh	81, 14.771, 189.972
Yxy	57.5784, 0.2853, 0.3340
Android (android.graphics.Color)	4289122508 (0xFFA6D0CC)
YUV	194.9860, 4.4439, -25.4207
Hunter-Lab	75.8804, -17.0934, 1.8363

Details

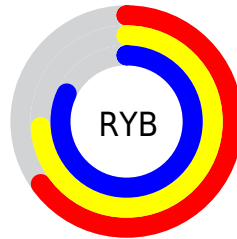
The Yxy color **57.5784, 0.2853, 0.3340** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.5997, 0.3488, 0.3241**, and the grayscale version is **54.5519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **28.8239, 0.2780, 0.3357** is the 20% darker color. If you saturate the color by 10%, you get **55.4159, 0.2731, 0.3368**, and if you desaturate by 10%, it is **60.1104, 0.2985, 0.3314**.

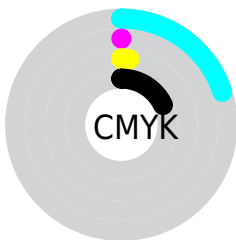
Distribution



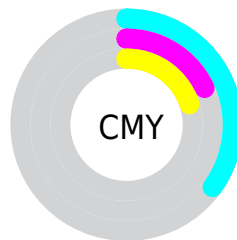
- Red (65%)
- Green (82%)
- Blue (80%)



- Red (65%)
- Yellow (74%)
- Blue (82%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (18%)




- Cyan (35%)
- Magenta (18%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.5784, 0.2853, 0.3340 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 57.5784, 0.2853, 0.3340 by changing the saturation by 10% instead.

 57.5784, 0.2853,
0.3340


 57.5784, 0.2853,
0.3340


415.6131, 0.2985,
0.3317

 41.4698, 0.2822,
0.3345


 101.3087, 0.2900,
0.3332

 28.6864, 0.2782,
0.3352

 129.6991, 0.2917,
0.3329

 18.8437, 0.2731,
0.3360


162.9523, 0.2933,
0.3326

 11.5574, 0.2663,
0.3370

201.4526, 0.2946,
0.3324

 6.4431, 0.2566,
0.3385

245.5845, 0.2957,
0.3322

 3.1163, 0.2419,
0.3404

295.7322, 0.2968,

 1.1928, 0.2160,

0.3320

352.2803, 0.2977,
0.3318

0.3435

0.0558, 0.0000,
0.1889

0.0000, 0.0000,
0.0000

57.5784, 0.2853,
0.3340

57.5784, 0.2853,
0.3340

55.4159, 0.2731,
0.3368

60.1104, 0.2985,
0.3314

53.5984, 0.2622,
0.3398

63.0211, 0.3125,
0.3290

52.1093, 0.2528,
0.3429

66.3282, 0.3268,
0.3269

50.9280, 0.2451,
0.3461

70.0461, 0.3414,
0.3250

■ 50.0314, 0.2394,
0.3494

■ 71.2246, 0.3444,
0.3230

■ 49.3933, 0.2356,
0.3527

■ 71.3272, 0.3429,
0.3210

■ 48.9824, 0.2336,
0.3560

■ 71.4311, 0.3414,
0.3190

■ 48.7439, 0.2331,
0.3592

■ 71.5363, 0.3399,
0.3170

■ 71.6427, 0.3384,
0.3150

Harmonies

Analogous

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



57.5784, 0.3011, 0.3508



57.5784, 0.2853, 0.3340



57.5784, 0.2768, 0.3164

Triad

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



57.5784, 0.2853, 0.3340



57.5784, 0.3042, 0.2991



57.5784, 0.3490, 0.3541

Complementary

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



57.5784, 0.2853, 0.3340



43.5997, 0.3488, 0.3241

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.



57.5784, 0.3500, 0.3398



57.5784, 0.2853, 0.3340



57.5784, 0.3237, 0.3086

Square

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



57.5784, 0.2853, 0.3340



57.5784, 0.2874, 0.2969



57.5784, 0.3407, 0.3233



57.5784, 0.3380, 0.3623

Rectangle

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



57.5784, 0.2853, 0.3340



57.5784, 0.2763, 0.3067



57.5784, 0.3407, 0.3233



57.5784, 0.3505, 0.3498

Sweetspot

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



57.5808, 0.2853, 0.3340



97.1185, 0.3042, 0.3304



56.4381, 0.3133, 0.3838



20.7232, 0.3033, 0.3306



0.0000, 0.0000, 0.0000



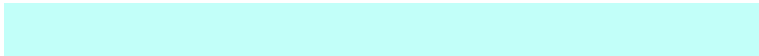
21.4041, 0.3127, 0.3290

Same Dimension

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



57.5808, 0.2853, 0.3340



89.8102, 0.2801, 0.3351



50.0198, 0.2814, 0.3074



13.3867, 0.2996, 0.3312



30.3878, 0.2330, 0.3587



1.7049, 0.2313, 0.3527

Inverse Universe

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



43.5997, 0.3488, 0.3241



63.9096, 0.3583, 0.3231



49.9575, 0.3485, 0.3497



11.8264, 0.3276, 0.3268



8.3957, 0.6282, 0.3234



0.4759, 0.5951, 0.3052

Previews

White Background



This preview shows how the Yxy color 57.5784, 0.2853, 0.3340 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 57.5784, 0.2853, 0.3340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

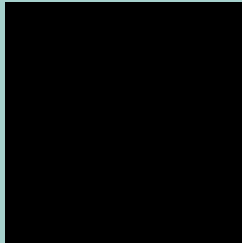
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

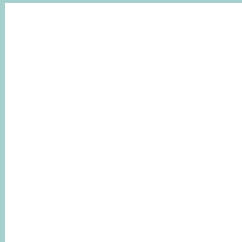
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.5784, 0.2853, 0.3340

Background



This preview shows how black text looks on a background with the Yxy color 57.5784, 0.2853, 0.3340.

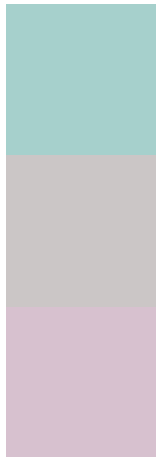


This preview shows how white text looks on a background with the Yxy color 57.5784, 0.2853, 0.3340.

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

57.5784, 0.2853, 0.3340

Protanopia

57.1619, 0.3167, 0.3290

Deuteranopia

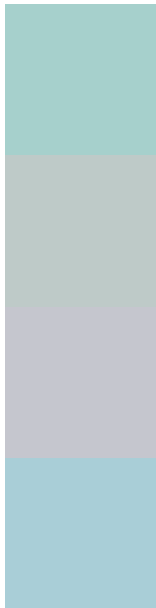
57.0920, 0.3199, 0.3130



Tritanopia

57.4826, 0.2766, 0.3081

Trichromacy



Original Color

57.5784, 0.2853, 0.3340

Protanomaly

57.3583, 0.3050, 0.3314

Deuteranomaly

56.7147, 0.3062, 0.3194

Tritanomaly

57.4839, 0.2803, 0.3178

Monochromacy



Original Color

57.5784, 0.2853, 0.3340

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

55.5761, 0.3019, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.5784, 0.2853, 0.3340 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(166, 208, 204)` looks like.

```
.text, #text, p{  
    color:rgb(166, 208, 204)  
}
```

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(166, 208, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 208, 204) }
```

Border

The CSS property to change the border of an element to Yxy 57.5784, 0.2853, 0.3340 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(166, 208, 204) }
```

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

```
.border{ border-color:rgb(166, 208, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 208, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 208, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 208, 204); box-shadow:4px 4px 4px 4px rgb(166, 208, 204) }
```


Background

The CSS property to change the background color of an element to Yxy 57.5784, 0.2853, 0.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 208, 204) }
```

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

```
.background{ background-color: rgb(166,  
208, 204) }
```

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