

Converting Colors

$Y_{xy}(58.5296, 0.2876, 0.3420)$

Have a look what the booklet for
Yxy(58.5296, 0.2876, 0.3420)
contains.

Yxy(58.3703, 0.2879, 0.3416)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.3703, 0.2879, 0.3416)

Conversions

Conversions Part 1

Format	Color
Hex	A6D2C8
RGB	166, 210, 200
RGB Percent	65%, 82%, 78%
CMY	0.3491, 0.1764, 0.2157
CMYK	0.21, 0.00, 0.05, 0.18
HSL	166°, 33%, 74%
HSV	166°, 21%, 82%
XYZ	49.1944, 58.3703, 63.3085
YIQ	195.7040, -23.0140, -12.4380

Conversions

Conversions Part 2

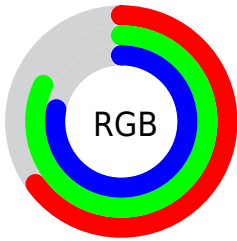
Format	Color
RYB	166, 191, 210
Decimal	10932936
CIELab	80.94, -16.42, 0.22
CIELCh	81, 16.417, 179.244
Yxy	58.3703, 0.2879, 0.3416
Android (android.graphics.Color)	4289123016 (0xFFA6D2C8)
YUV	195.7040, 2.1179, -26.0504
Hunter-Lab	76.4005, -18.7643, 4.3502

Details

The Yxy color **58.3703, 0.2879, 0.3416** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.1063, 0.3452, 0.3168**, and the grayscale version is **55.0123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **29.0287, 0.2814, 0.3444** is the 20% darker color. If you saturate the color by 10%, you get **56.0655, 0.2772, 0.3485**, and if you desaturate by 10%, it is **61.0575, 0.2994, 0.3353**.

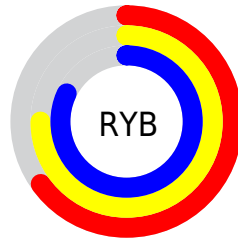
Distribution



Red (65%)

Green (82%)

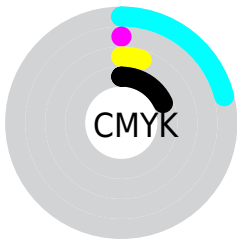
Blue (78%)



Red (65%)

Yellow (75%)

Blue (82%)

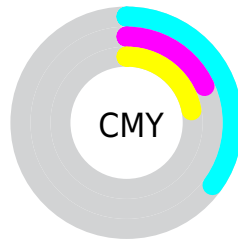


Cyan (21%)

Magenta (0%)

Yellow (5%)

Black (18%)



Cyan (35%)


Magenta (18%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3703, 0.2879, 0.3416 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 58.3703, 0.2879, 0.3416 by changing the saturation by 10% instead.


 58.3703, 0.2879,
0.3416


 58.3703, 0.2879,
0.3416


418.5643, 0.2998,
0.3355

 42.1064, 0.2851,
0.3430


 102.4619, 0.2921,
0.3395

 29.1846, 0.2815,
0.3449


 131.0584, 0.2938,
0.3386

 19.2205, 0.2768,
0.3472


164.5346, 0.2951,
0.3379

 11.8297, 0.2706,
0.3504

203.2748, 0.2963,
0.3373

 6.6279, 0.2617,
0.3549

247.6635, 0.2974,
0.3368

 3.2305, 0.2482,
0.3619

298.0851, 0.2983,

 1.2532, 0.2242,

0.3363

0.3741

354.9239, 0.2991,
0.3359

0.1045, 0.0000,
0.5144

0.0000, 0.0000,
0.0000

58.3703, 0.2879,
0.3416

58.3703, 0.2879,
0.3416

56.0655, 0.2772,
0.3485

61.0575, 0.2994,
0.3353

54.1178, 0.2676,
0.3559

64.1366, 0.3115,
0.3295

52.5102, 0.2595,
0.3637

67.6259, 0.3239,
0.3243

51.2212, 0.2530,
0.3718

71.5403, 0.3364,
0.3197

■ 50.2268, 0.2484,
0.3801

■ 72.7334, 0.3367,
0.3151

■ 49.5000, 0.2457,
0.3886

■ 72.9963, 0.3332,
0.3103

■ 49.0080, 0.2450,
0.3970

■ 73.2666, 0.3298,
0.3056

■ 48.7131, 0.2457,
0.4045

■ 73.5443, 0.3264,
0.3010

■ 73.8294, 0.3230,
0.2964

Harmonies

Analogous

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



58.3703, 0.3073, 0.3584



58.3703, 0.2879, 0.3416



58.3703, 0.2753, 0.3216

Triad

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



58.3703, 0.2879, 0.3416



58.3703, 0.2960, 0.2941



58.3703, 0.3547, 0.3515

Complementary

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



58.3703, 0.2879, 0.3416



44.1063, 0.3452, 0.3168

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.



58.3703, 0.3516, 0.3343



58.3703, 0.2879, 0.3416



58.3703, 0.3171, 0.3020

Square

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



58.3703, 0.2879, 0.3416



58.3703, 0.2798, 0.2949



58.3703, 0.3376, 0.3165



58.3703, 0.3461, 0.3636

Rectangle

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



58.3703, 0.2879, 0.3416



58.3703, 0.2722, 0.3096



58.3703, 0.3376, 0.3165



58.3703, 0.3550, 0.3461

Sweetspot

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



58.3727, 0.2879, 0.3416



96.9905, 0.3053, 0.3324



58.1106, 0.3177, 0.3854



20.6928, 0.3045, 0.3328



0.0000, 0.0000, 0.0000



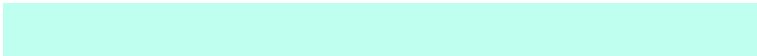
21.4041, 0.3127, 0.3290

Same Dimension

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



58.3727, 0.2879, 0.3416



88.9491, 0.2832, 0.3445



53.2710, 0.2807, 0.3140



13.3591, 0.3013, 0.3343



29.7275, 0.2454, 0.4033



1.6737, 0.2411, 0.3880

Inverse Universe

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



44.1063, 0.3452, 0.3168



63.0755, 0.3538, 0.3141



48.1881, 0.3516, 0.3435



11.8517, 0.3255, 0.3237



8.4998, 0.5982, 0.3069



0.4877, 0.5454, 0.2778

Previews

White Background



This preview shows how the Yxy color 58.3703, 0.2879, 0.3416 looks on a white background.

Color Contrast Check

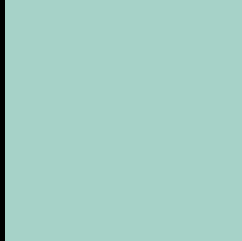
Large Text (above 18pt) WCAG AA × Fail

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 58.3703, 0.2879, 0.3416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

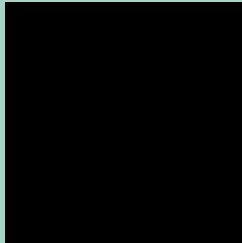
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

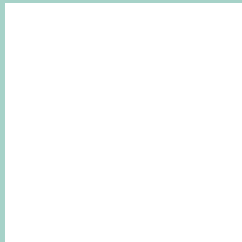
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.3703, 0.2879, 0.3416

Background



This preview shows how black text looks on a background with the Yxy color 58.3703, 0.2879, 0.3416.

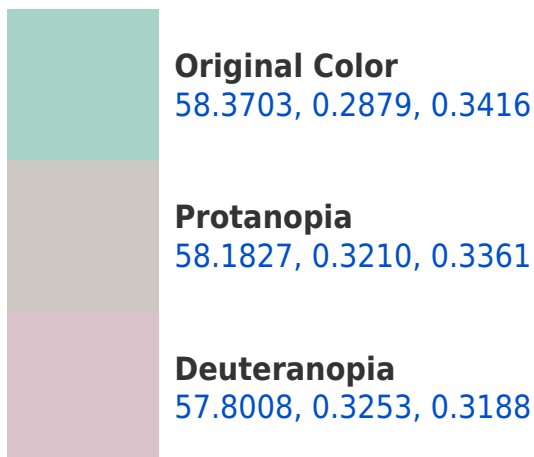


This preview shows how white text looks on a background with the Yxy color 58.3703, 0.2879, 0.3416.

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

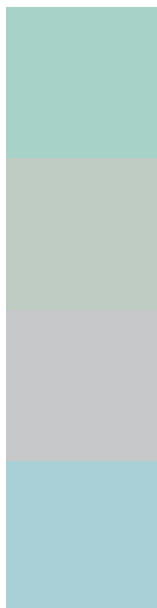




Tritanopia

58.4994, 0.2762, 0.3094

Trichromacy



Original Color

58.3703, 0.2879, 0.3416

Protanomaly

58.2476, 0.3085, 0.3387

Deuteranomaly

57.7149, 0.3105, 0.3266

Tritanomaly

58.4531, 0.2804, 0.3203

Monochromacy



Original Color

58.3703, 0.2879, 0.3416

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

56.1188, 0.3033, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3703, 0.2879, 0.3416 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, 210, 200)` looks like.

```
.text, #text, p{  
    color:rgb(166, 210, 200)  
}
```

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, 210, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 210, 200) }
```

Border

The CSS property to change the border of an element to Yxy 58.3703, 0.2879, 0.3416 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, 210, 200) }
```

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

```
.border{ border-color:rgb(166, 210, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 210, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 210, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 210, 200);  
box-shadow:4px 4px 4px 4px rgb(166, 210,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3703, 0.2879, 0.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 210, 200) }
```

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

```
.background{ background-color: rgb(166,  
210, 200) }
```

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