

Converting Colors

$Y_{xy}(58.2331, 0.2492, 0.3444)$

Have a look what the booklet for
Yxy(58.2331, 0.2492, 0.3444)
contains.

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Color

Yxy(58.4498, 0.2493, 0.3450)

Conversions

Conversions Part 1

Format	Color
Hex	64DCD0
RGB	100, 220, 208
RGB Percent	39%, 86%, 82%
CMY	0.6077, 0.1373, 0.1843
CMYK	0.55, 0.00, 0.05, 0.14
HSL	174°, 63%, 63%
HSV	174°, 55%, 86%
XYZ	42.2363, 58.4498, 68.7336
YIQ	182.7520, -67.6680, -29.1720

Conversions

Conversions Part 2

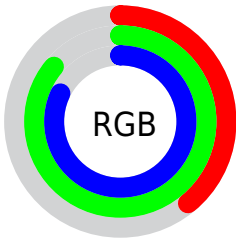
Format	Color
RYB	100, 163, 220
Decimal	6610128
CIELab	80.99, -36.50, -4.35
CIELCh	81, 36.759, 186.789
Yxy	58.4498, 0.2493, 0.3450
Android (android.graphics.Color)	4284800208 (0xFF64DCD0)
YUV	182.7520, 12.4473, -72.5735
Hunter-Lab	76.4525, -35.1791, 0.2128

Details

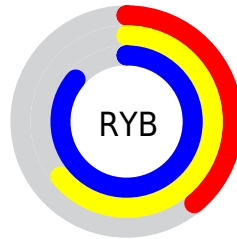
The Yxy color **58.4498, 0.2493, 0.3450** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **25.5059, 0.4578, 0.3156**, and the grayscale version is **47.1744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **29.1036, 0.2331, 0.3473** is the 20% darker color. If you saturate the color by 10%, you get **57.2545, 0.2425, 0.3484**, and if you desaturate by 10%, it is **59.9898, 0.2579, 0.3417**.

Distribution



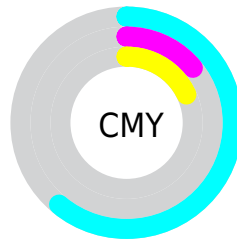
- Red (39%)
- Green (86%)
- Blue (82%)



- Red (39%)
- Yellow (64%)
- Blue (86%)



- Cyan (55%)
- Magenta (0%)
- Yellow (5%)
- Black (14%)





- Cyan (61%)
- Magenta (14%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.4498, 0.2493, 0.3450 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 58.4498, 0.2493, 0.3450 by changing the saturation by 10% instead.


 58.4498, 0.2493,
0.3450


 58.4498, 0.2493,
0.3450


418.8599, 0.2794,
0.3378


 42.1704, 0.2423,
0.3466


 102.5776, 0.2599,
0.3425

 29.2347, 0.2335,
0.3485


 131.1947, 0.2639,
0.3416

 19.2585, 0.2223,
0.3509


 164.6932, 0.2674,
0.3407

 11.8572, 0.2075,
0.3538

 203.4575, 0.2705,
0.3400

 6.6465, 0.1872,
0.3575

247.8719, 0.2731,
0.3393

 3.2420, 0.1577,
0.3620

298.3208, 0.2754,

 1.2594, 0.0799,

0.3388

355.1887, 0.2775,
0.3382

0.3797

0.1094, 0.0000,
0.2055

0.0000, 0.0000,
0.0000

58.4498, 0.2493,
0.3450

58.4498, 0.2493,
0.3450

57.2545, 0.2425,
0.3484

59.9898, 0.2579,
0.3417

56.3691, 0.2377,
0.3519


61.8926, 0.2682,
0.3385

55.7636, 0.2348,
0.3553

64.1828, 0.2799,
0.3355


55.3983, 0.2336,
0.3587


66.8813, 0.2927,
0.3327


 55.2642, 0.2335,
0.3606

 70.0073, 0.3063,
0.3301

 73.5787, 0.3205,
0.3277

 77.6125, 0.3350,
0.3256

 77.9159, 0.3342,
0.3235

 78.0371, 0.3327,
0.3213

Harmonies

Analogous

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



58.4498, 0.2875, 0.3894



58.4498, 0.2493, 0.3450



58.4498, 0.2285, 0.2993

Triad

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



58.4498, 0.2493, 0.3450



58.4498, 0.2858, 0.2578



58.4498, 0.4040, 0.3837

Complementary

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



58.4498, 0.2493, 0.3450



25.5059, 0.4578, 0.3156

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.



58.4498, 0.4050, 0.3474



58.4498, 0.2493, 0.3450



58.4498, 0.3336, 0.2780

Square

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



58.4498, 0.2493, 0.3450



58.4498, 0.2483, 0.2532



58.4498, 0.3785, 0.3098



58.4498, 0.3773, 0.4096

Rectangle

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



58.4498, 0.2493, 0.3450



58.4498, 0.2260, 0.2757



58.4498, 0.3785, 0.3098



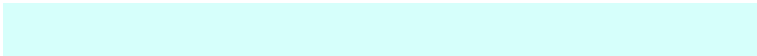
58.4498, 0.4074, 0.3723

Sweetspot

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



58.4521, 0.2493, 0.3450



92.8063, 0.2906, 0.3331



55.5538, 0.3113, 0.5000



19.6907, 0.2878, 0.3337



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.



58.4521, 0.2493, 0.3450



79.8546, 0.2420, 0.3488



37.3879, 0.2295, 0.2605



14.8060, 0.2995, 0.3313



32.4433, 0.2334, 0.3601



2.1085, 0.2318, 0.3545

Inverse Universe

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



25.5059, 0.4578, 0.3156



29.4833, 0.5062, 0.3147



37.3217, 0.4383, 0.3857



13.0726, 0.3276, 0.3267



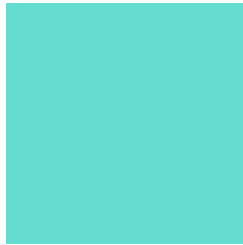
8.9714, 0.6279, 0.3232



0.5886, 0.5973, 0.3064

Previews

White Background



This preview shows how the Yxy color 58.4498, 0.2493, 0.3450 looks on a white background.

Color Contrast Check

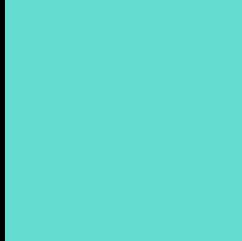
Large Text (above 18pt) WCAG AA × Fail

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 58.4498, 0.2493, 0.3450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

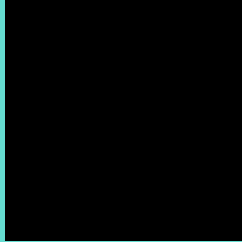
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

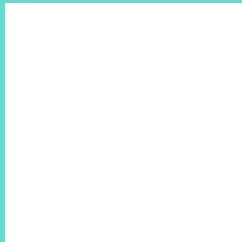
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.4498, 0.2493, 0.3450

Background



This preview shows how black text looks on a background with the Yxy color 58.4498, 0.2493, 0.3450.

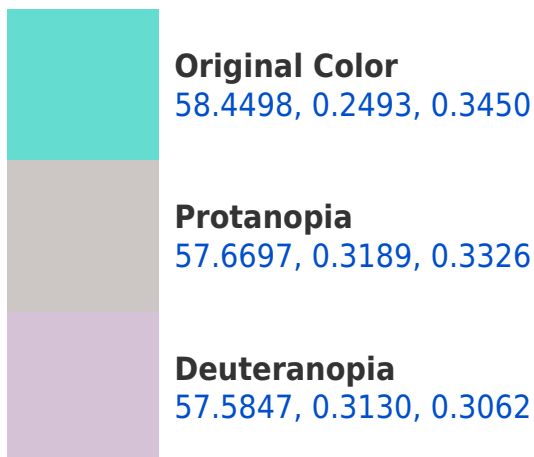


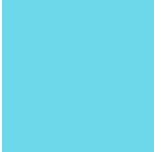
This preview shows how white text looks on a background with the Yxy color 58.4498, 0.2493, 0.3450.

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

58.3035, 0.2397, 0.3057

Trichromacy



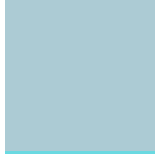
Original Color

58.4498, 0.2493, 0.3450



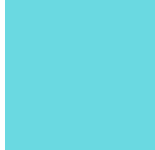
Protanomaly

56.9028, 0.2877, 0.3378



Deuteranomaly

56.2360, 0.2839, 0.3177



Tritanomaly

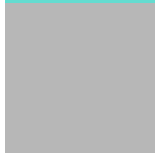
58.1261, 0.2429, 0.3183

Monochromacy



Original Color

58.4498, 0.2493, 0.3450



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

50.0579, 0.2831, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4498, 0.2493, 0.3450 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(100, 220, 208)` looks like.

```
.text, #text, p{  
    color:rgb(100, 220, 208)  
}
```

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(100, 220, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 220, 208) }
```

Border

The CSS property to change the border of an element to Yxy 58.4498, 0.2493, 0.3450 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(100, 220, 208) }
```

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

```
.border{ border-color:rgb(100, 220, 208) }
```

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

Here you see how a box with a 4 pixel rgb(100, 220, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 220, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 220, 208);  
box-shadow:4px 4px 4px 4px rgb(100, 220,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4498, 0.2493, 0.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 220, 208) }
```

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

```
.background{ background-color: rgb(100,  
220, 208) }
```

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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