

Converting Colors

$Yxy(58.0249, 0.2451, 0.3462)$

Have a look what the booklet for
Yxy(58.0249, 0.2451, 0.3462)
contains.

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Color

Yxy(57.8152, 0.2448, 0.3452)

Conversions

Conversions Part 1

Format	Color
Hex	58DCD0
RGB	88, 220, 208
RGB Percent	35%, 86%, 82%
CMY	0.6550, 0.1372, 0.1843
CMYK	0.60, 0.00, 0.05, 0.14
HSL	175°, 65%, 60%
HSV	175°, 60%, 86%
XYZ	40.9999, 57.8152, 68.6681
YIQ	179.1640, -74.8200, -31.7160

Conversions

Conversions Part 2

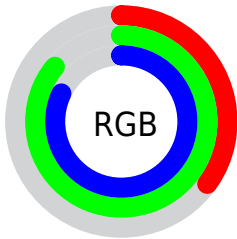
Format	Color
RYB	88, 157, 220
Decimal	5823696
CIELab	80.64, -38.74, -4.90
CIElCh	81, 39.052, 187.206
Yxy	57.8152, 0.2448, 0.3452
Android (android.graphics.Color)	4284013776 (0xFF58DCD0)
YUV	179.1640, 14.2161, -79.9508
Hunter-Lab	76.0363, -36.8137, -0.3192

Details

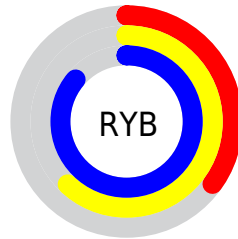
The Yxy color **57.8152, 0.2448, 0.3452** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.1118, 0.4832, 0.3163**, and the grayscale version is **45.1211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **28.8840, 0.2299, 0.3474** is the 20% darker color. If you saturate the color by 10%, you get **56.8034, 0.2390, 0.3483**, and if you desaturate by 10%, it is **59.1565, 0.2525, 0.3421**.

Distribution



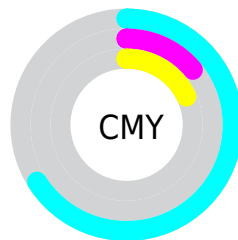
- Red (35%)
- Green (86%)
- Blue (82%)



- Red (35%)
- Yellow (62%)
- Blue (86%)



- Cyan (60%)
- Magenta (0%)
- Yellow (5%)
- Black (14%)





- Cyan (66%)
- Magenta (14%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.8152, 0.2448, 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 57.8152, 0.2448, 0.3452 by changing the saturation by 10% instead.


 57.8152, 0.2448,
0.3452


 57.8152, 0.2448,
0.3452


416.4970, 0.2770,
0.3380


 41.6601, 0.2373,
0.3468


 101.6537, 0.2561,
0.3427


 28.8352, 0.2279,
0.3487


 130.1059, 0.2605,
0.3418

 18.9562, 0.2160,
0.3509


 163.4259, 0.2642,
0.3409

 11.6386, 0.2002,
0.3537

 201.9981, 0.2675,
0.3402

 6.4981, 0.1786,
0.3571

246.2069, 0.2703,
0.3395

 3.1503, 0.1474,
0.3609

296.4368, 0.2728,

 1.2107, 0.0547,

0.3389

353.0720, 0.2750,
0.3384

0.3818

0.0704, 0.0000,
0.1438

0.0000, 0.0000,
0.0000

57.8152, 0.2448,
0.3452

57.8152, 0.2448,
0.3452

56.8034, 0.2390,
0.3483

59.1565, 0.2525,
0.3421

56.0843, 0.2352,
0.3514


60.8471, 0.2619,
0.3392


55.6242, 0.2332,
0.3545


62.9129, 0.2730,
0.3364

55.3599, 0.2327,
0.3576


65.3756, 0.2853,
0.3337

 68.2551, 0.2986,
0.3313

 71.5701, 0.3127,
0.3290

 75.3381, 0.3272,
0.3270

 77.8325, 0.3353,
0.3251

 77.9418, 0.3339,
0.3231

Harmonies

Analogous

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



57.8152, 0.2850, 0.3932



57.8152, 0.2448, 0.3452



57.8152, 0.2232, 0.2964

Triad

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



57.8152, 0.2448, 0.3452



57.8152, 0.2846, 0.2537



57.8152, 0.4096, 0.3872

Complementary

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



57.8152, 0.2448, 0.3452



23.1118, 0.4832, 0.3163

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.



57.8152, 0.4113, 0.3487



57.8152, 0.2448, 0.3452



57.8152, 0.3356, 0.2753

Square

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



57.8152, 0.2448, 0.3452



57.8152, 0.2447, 0.2486



57.8152, 0.3835, 0.3090



57.8152, 0.3807, 0.4150

Rectangle

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



57.8152, 0.2448, 0.3452



57.8152, 0.2209, 0.2717



57.8152, 0.3835, 0.3090



57.8152, 0.4136, 0.3750

Sweetspot

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



57.8174, 0.2448, 0.3452



92.0438, 0.2877, 0.3332



54.6713, 0.3104, 0.5184



19.4656, 0.2839, 0.3340



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.



57.8174, 0.2448, 0.3452



79.0652, 0.2378, 0.3491



34.9497, 0.2222, 0.2522



14.8081, 0.2994, 0.3311



32.4964, 0.2325, 0.3571



2.1114, 0.2311, 0.3521

Inverse Universe

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



23.1118, 0.4832, 0.3163



26.5239, 0.5404, 0.3165



34.9080, 0.4556, 0.3901



13.0707, 0.3277, 0.3269



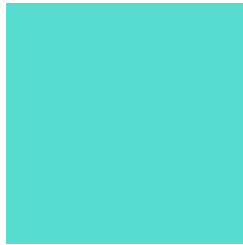
8.9667, 0.6292, 0.3240



0.5877, 0.6009, 0.3084

Previews

White Background



This preview shows how the Yxy color 57.8152, 0.2448, 0.3452 looks on a white background.

Color Contrast Check

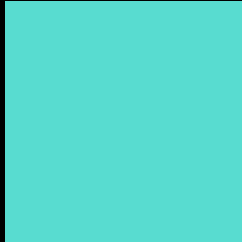
Large Text (above 18pt) WCAG AA × Fail

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 57.8152, 0.2448, 0.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

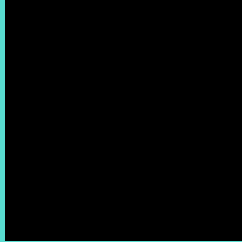
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

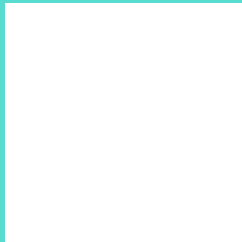
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.8152, 0.2448, 0.3452

Background



This preview shows how black text looks on a background with the Yxy color 57.8152, 0.2448, 0.3452.

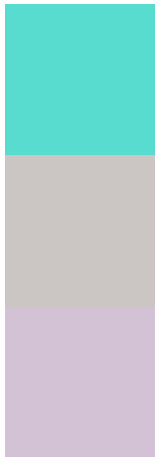


This preview shows how white text looks on a background with the Yxy color 57.8152, 0.2448, 0.3452.

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

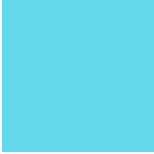
57.8152, 0.2448, 0.3452

Protanopia

57.0248, 0.3189, 0.3326

Deuteranopia

56.8439, 0.3115, 0.3049



Tritanopia

57.7049, 0.2359, 0.3055

Trichromacy



Original Color

57.8152, 0.2448, 0.3452



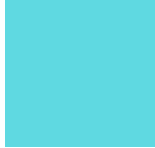
Protanomaly

55.8898, 0.2843, 0.3366



Deuteranomaly

55.5723, 0.2798, 0.3176



Tritanomaly

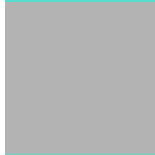
57.4948, 0.2387, 0.3182

Monochromacy



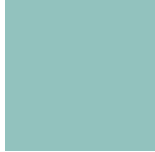
Original Color

57.8152, 0.2448, 0.3452



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

48.4123, 0.2793, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8152, 0.2448, 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(88, 220, 208)` looks like.

```
.text, #text, p{  
    color:rgb(88, 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(88, 220, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 220, 208) }
```

Border

The CSS property to change the border of an element to Yxy 57.8152, 0.2448, 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(88, 220, 208) }
```

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

```
.border{ border-color:rgb(88, 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(88, 220, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 220, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 220, 208);  
box-shadow:4px 4px 4px 4px rgb(88, 220,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8152, 0.2448, 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(88, 220, 208) }
```

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

```
.background{ background-color: rgb(88, 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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