

Converting Colors

$Yxy(57.8664, 0.2449, 0.3482)$

Have a look what the booklet for
Yxy(57.8664, 0.2449, 0.3482)
contains.

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Color

Yxy(57.6211, 0.2450, 0.3480)

Conversions

Conversions Part 1

Format	Color
Hex	56DCCE
RGB	86, 220, 206
RGB Percent	34%, 86%, 81%
CMY	0.6631, 0.1372, 0.1921
CMYK	0.61, 0.00, 0.06, 0.14
HSL	174°, 66%, 60%
HSV	174°, 61%, 86%
XYZ	40.5666, 57.6211, 67.3902
YIQ	178.3380, -75.3700, -32.7620

Conversions

Conversions Part 2

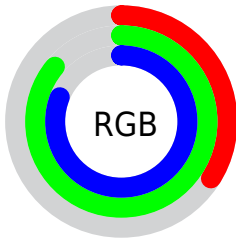
Format	Color
RYB	86, 157, 220
Decimal	5692622
CIELab	80.53, -39.61, -4.01
CIELCh	81, 39.815, 185.787
Yxy	57.6211, 0.2450, 0.3480
Android (android.graphics.Color)	4283882702 (0xFF56DCCE)
YUV	178.3380, 13.6374, -80.9804
Hunter-Lab	75.9086, -37.4471, 0.4994

Details

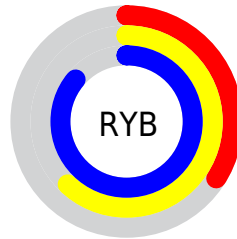
The Yxy color **57.6211, 0.2450, 0.3480** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.7754, 0.4847, 0.3142**, and the grayscale version is **44.6537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **28.8179, 0.2309, 0.3513** is the 20% darker color. If you saturate the color by 10%, you get **56.6255, 0.2395, 0.3516**, and if you desaturate by 10%, it is **58.9440, 0.2524, 0.3445**.

Distribution



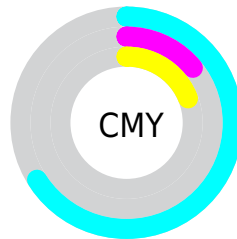
- Red (34%)
- Green (86%)
- Blue (81%)



- Red (34%)
- Yellow (62%)
- Blue (86%)



- Cyan (61%)
- Magenta (0%)
- Yellow (6%)
- Black (14%)





- Cyan (66%)
- Magenta (14%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.6211, 0.2450, 0.3480 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 57.6211, 0.2450, 0.3480 by changing the saturation by 10% instead.


 57.6211, 0.2450,
0.3480

 57.6211, 0.2450,
0.3480


415.7726, 0.2772,
0.3393

 41.5041, 0.2375,
0.3499


 101.3709, 0.2563,
0.3450


 28.7132, 0.2281,
0.3523


 129.7725, 0.2607,
0.3439

 18.8640, 0.2161,
0.3552


 163.0377, 0.2644,
0.3429

 11.5720, 0.2003,
0.3588

 201.5510, 0.2676,
0.3420

 6.4530, 0.1785,
0.3634

245.6968, 0.2705,
0.3412

 3.1224, 0.1471,
0.3691

295.8593, 0.2730,

 1.1960, 0.0467,

0.3405

352.4231, 0.2752,
0.3399

0.3970

0.0584, 0.0000,
0.1451

0.0000, 0.0000,
0.0000

57.6211, 0.2450,
0.3480

57.6211, 0.2450,
0.3480

56.6255, 0.2395,
0.3516

58.9440, 0.2524,
0.3445

55.9198, 0.2359,
0.3552


60.6142, 0.2616,
0.3410

55.4698, 0.2342,
0.3588


62.6579, 0.2724,
0.3378

55.2263, 0.2339,
0.3620


65.0968, 0.2844,
0.3347

 67.9512, 0.2975,
0.3318

 71.2398, 0.3114,
0.3292

 74.9803, 0.3256,
0.3269

 77.8547, 0.3351,
0.3247

 77.9803, 0.3335,
0.3224

Harmonies

Analogous

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



57.6211, 0.2866, 0.3966



57.6211, 0.2450, 0.3480



57.6211, 0.2221, 0.2977

Triad

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



57.6211, 0.2450, 0.3480



57.6211, 0.2817, 0.2517



57.6211, 0.4124, 0.3865

Complementary

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



57.6211, 0.2450, 0.3480



22.7754, 0.4847, 0.3142

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.



57.6211, 0.4127, 0.3470



57.6211, 0.2450, 0.3480



57.6211, 0.3335, 0.2730

Square

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



57.6211, 0.2450, 0.3480



57.6211, 0.2419, 0.2473



57.6211, 0.3829, 0.3067



57.6211, 0.3839, 0.4158

Rectangle

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



57.6211, 0.2450, 0.3480



57.6211, 0.2190, 0.2720



57.6211, 0.3829, 0.3067



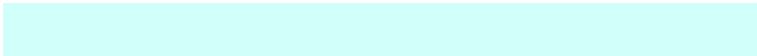
57.6211, 0.4159, 0.3739

Sweetspot

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



57.6233, 0.2450, 0.3480



92.0054, 0.2880, 0.3339



54.6609, 0.3115, 0.5207



19.4561, 0.2843, 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.



57.6233, 0.2450, 0.3480



78.8117, 0.2384, 0.3526



35.3700, 0.2218, 0.2542



14.8049, 0.2996, 0.3314



32.4179, 0.2337, 0.3615



2.1071, 0.2321, 0.3556

Inverse Universe

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



22.7754, 0.4847, 0.3142



26.2068, 0.5417, 0.3146



33.8675, 0.4605, 0.3881



13.0735, 0.3275, 0.3266



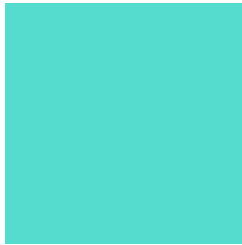
8.9739, 0.6272, 0.3229



0.5890, 0.5956, 0.3055

Previews

White Background



This preview shows how the Yxy color 57.6211, 0.2450, 0.3480 looks on a white background.

Color Contrast Check

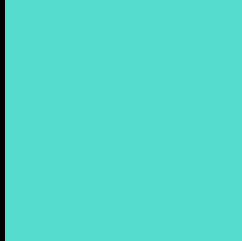
Large Text (above 18pt) WCAG AA × Fail

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 57.6211, 0.2450, 0.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

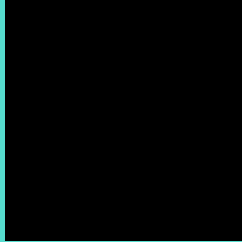
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

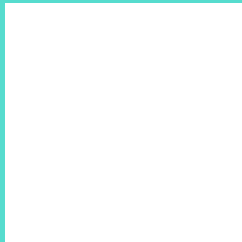
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.6211, 0.2450, 0.3480

Background



This preview shows how black text looks on a background with the Yxy color 57.6211, 0.2450, 0.3480.

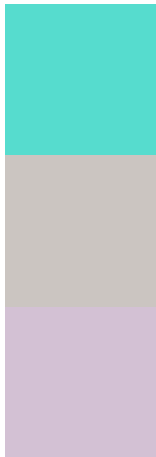


This preview shows how white text looks on a background with the Yxy color 57.6211, 0.2450, 0.3480.

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

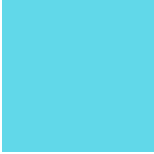
57.6211, 0.2450, 0.3480

Protanopia

56.4793, 0.3205, 0.3338

Deuteranopia

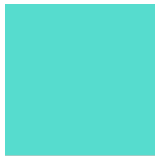
56.7423, 0.3129, 0.3071



Tritanopia

57.5363, 0.2356, 0.3067

Trichromacy



Original Color

57.6211, 0.2450, 0.3480



Protanomaly

55.2134, 0.2848, 0.3380



Deuteranomaly

55.4720, 0.2811, 0.3201



Tritanomaly

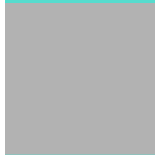
57.2806, 0.2389, 0.3208

Monochromacy



Original Color

57.6211, 0.2450, 0.3480



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

47.7905, 0.2798, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.6211, 0.2450, 0.3480 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(86, 220, 206)` looks like.

```
.text, #text, p{  
    color:rgb(86, 220, 206)  
}
```

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(86, 220, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 220, 206) }
```

Border

The CSS property to change the border of an element to Yxy 57.6211, 0.2450, 0.3480 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(86, 220, 206) }
```

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

```
.border{ border-color:rgb(86, 220, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 220, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 220, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 220, 206);  
box-shadow:4px 4px 4px 4px rgb(86, 220,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 57.6211, 0.2450, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 220, 206) }
```

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

```
.background{ background-color: rgb(86, 220,  
206) }
```

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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