

Converting Colors

$Y_{xy}(57.2810, 0.2502, 0.3701)$

Have a look what the booklet for
Yxy(57.2810, 0.2502, 0.3701)
contains.

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Color

Yxy(57.2680, 0.2502, 0.3697)

Conversions

Conversions Part 1

Format	Color
Hex	51DDC0
RGB	81, 221, 192
RGB Percent	32%, 87%, 75%
CMY	0.6828, 0.1333, 0.2471
CMYK	0.63, 0.00, 0.13, 0.13
HSL	168°, 67%, 59%
HSV	168°, 63%, 87%
XYZ	38.7570, 57.2680, 58.8790
YIQ	175.8340, -74.1310, -38.6990

Conversions

Conversions Part 2

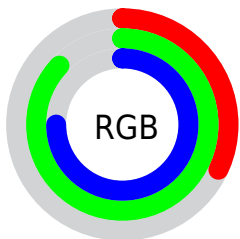
Format	Color
RYB	81, 159, 221
Decimal	5365184
CIELab	80.33, -44.44, 3.15
CIElCh	80, 44.555, 175.952
Yxy	57.2680, 0.2502, 0.3697
Android (android.graphics.Color)	4283555264 (0xFF51DDC0)
YUV	175.8340, 7.9698, -83.1694
Hunter-Lab	75.6756, -41.0143, 6.8427

Details

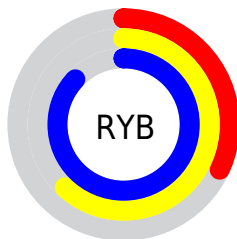
The Yxy color **57.2680, 0.2502, 0.3697** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted cyan. A complement of this color would be **22.3672, 0.4736, 0.2978**, and the grayscale version is **43.2982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2266, 0.2567, 0.3368**, and **28.7743, 0.2386, 0.3790** is the 20% darker color. If you saturate the color by 10%, you get **56.2493, 0.2459, 0.3773**, and if you desaturate by 10%, it is **58.6149, 0.2564, 0.3623**.

Distribution



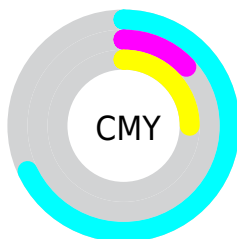
- Red (32%)
- Green (87%)
- Blue (75%)



- Red (32%)
- Yellow (62%)
- Blue (87%)



- Cyan (63%)
- Magenta (0%)
- Yellow (13%)
- Black (13%)





- Cyan (68%)
- Magenta (13%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.2680, 0.2502, 0.3697 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 57.2680, 0.2502, 0.3697 by changing the saturation by 10% instead.

 57.2680, 0.2502,
0.3697


 57.2680, 0.2502,
0.3697


414.4528, 0.2803,
0.3498

 41.2204, 0.2430,
0.3745


 100.8561, 0.2609,
0.3626


 28.4914, 0.2340,
0.3806


 129.1655, 0.2650,
0.3599

 18.6964, 0.2224,
0.3885


 162.3309, 0.2685,
0.3576

 11.4511, 0.2069,
0.3993

 200.7368, 0.2715,
0.3556

 6.3711, 0.1852,
0.4146

244.7675, 0.2741,
0.3539

 3.0720, 0.1530,
0.4382

294.8075, 0.2764,

 1.1695, 0.0009,

0.3524

0.5320

351.2411, 0.2785,
0.3510

■ 0.0365, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.2680, 0.2502,
0.3697

■ 57.2680, 0.2502,
0.3697

■ 56.2493, 0.2459,
0.3773

■ 58.6149, 0.2564,
0.3623

■ 55.5200, 0.2436,
0.3849

■ 60.3113, 0.2643,
0.3551


■ 55.0432, 0.2432,
0.3925


■ 62.3843, 0.2738,
0.3483


■ 54.8247, 0.2437,
0.3974


■ 64.8564, 0.2845,
0.3420

 67.7485, 0.2961,
0.3361

 71.0798, 0.3084,
0.3307

 74.8686, 0.3211,
0.3259

 78.6152, 0.3320,
0.3215

 78.8737, 0.3289,
0.3170

Harmonies

Analogous

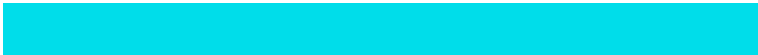
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.2680, 0.3011, 0.4189



57.2680, 0.2502, 0.3697



57.2680, 0.2177, 0.3105

Triad

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



57.2680, 0.2502, 0.3697



57.2680, 0.2614, 0.2396



57.2680, 0.4282, 0.3781

Complementary

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



57.2680, 0.2502, 0.3697



22.3672, 0.4736, 0.2978

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.



57.2680, 0.4174, 0.3332



57.2680, 0.2502, 0.3697



57.2680, 0.3160, 0.2575

Square

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



57.2680, 0.2502, 0.3697



57.2680, 0.2240, 0.2412



57.2680, 0.3747, 0.2906



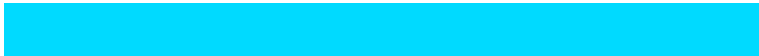
57.2680, 0.4051, 0.4167

Rectangle

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



57.2680, 0.2502, 0.3697



57.2680, 0.2092, 0.2777



57.2680, 0.3747, 0.2906



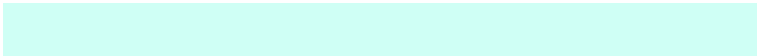
57.2680, 0.4286, 0.3634

Sweetspot

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



57.2702, 0.2502, 0.3697



91.3113, 0.2893, 0.3394



55.7083, 0.3190, 0.5237



19.3056, 0.2860, 0.3411



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.



57.2702, 0.2502, 0.3697



77.4181, 0.2450, 0.3797



40.1410, 0.2238, 0.2720



14.7810, 0.3010, 0.3339



31.8612, 0.2434, 0.3963



2.0760, 0.2400, 0.3840

Inverse Universe

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



22.3672, 0.4736, 0.2978



25.5649, 0.5278, 0.2980



29.5432, 0.4816, 0.3735



13.0954, 0.3259, 0.3242



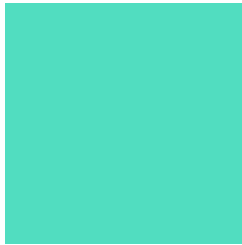
9.0567, 0.6046, 0.3104



0.5994, 0.5591, 0.2854

Previews

White Background



This preview shows how the Yxy color 57.2680, 0.2502, 0.3697 looks on a white background.

Color Contrast Check

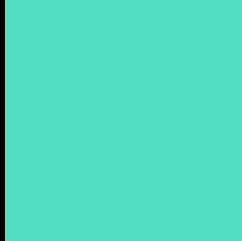
Large Text (above 18pt) WCAG AA × Fail

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 57.2680, 0.2502, 0.3697 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

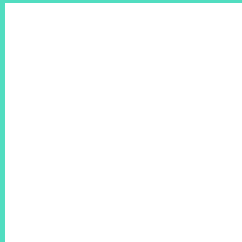
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.2680, 0.2502, 0.3697

Background



This preview shows how black text looks on a background with the Yxy color 57.2680, 0.2502, 0.3697.



This preview shows how white text looks on a background with the Yxy color 57.2680, 0.2502, 0.3697.

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

57.2680, 0.2502, 0.3697

Protanopia

56.3090, 0.3336, 0.3507

Deuteranopia

55.9378, 0.3279, 0.3209



Tritanopia

57.0807, 0.2356, 0.3054

Trichromacy



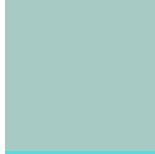
Original Color

57.2680, 0.2502, 0.3697



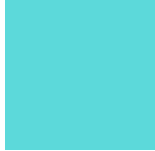
Protanomaly

55.1804, 0.2945, 0.3578



Deuteranomaly

54.4421, 0.2908, 0.3366



Tritanomaly

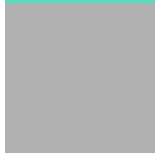
56.9630, 0.2408, 0.3274

Monochromacy



Original Color

57.2680, 0.2502, 0.3697



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

46.7394, 0.2809, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.2680, 0.2502, 0.3697 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(81, 221, 192)` looks like.

```
.text, #text, p{  
    color:rgb(81, 221, 192)  
}
```

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(81, 221, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 221, 192) }
```

Border

The CSS property to change the border of an element to Yxy 57.2680, 0.2502, 0.3697 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(81, 221, 192) }
```

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

```
.border{ border-color:rgb(81, 221, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 221, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 221, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 221, 192);  
box-shadow:4px 4px 4px 4px rgb(81, 221,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 57.2680, 0.2502, 0.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 221, 192) }
```

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

```
.background{ background-color: rgb(81, 221,  
192) }
```

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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