

Converting Colors

$Y_{xy}(58.1400, 0.2545, 0.3690)$

Have a look what the booklet for
Yxy(58.1400, 0.2545, 0.3690)
contains.

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Color

Yxy(57.8903, 0.2541, 0.3678)

Conversions

Conversions Part 1

Format	Color
Hex	5DDDC1
RGB	93, 221, 193
RGB Percent	36%, 87%, 76%
CMY	0.6353, 0.1333, 0.2432
CMYK	0.58, 0.00, 0.13, 0.13
HSL	167°, 65%, 62%
HSV	167°, 58%, 87%
XYZ	39.9944, 57.8903, 59.5115
YIQ	179.5360, -67.3000, -35.8440

Conversions

Conversions Part 2

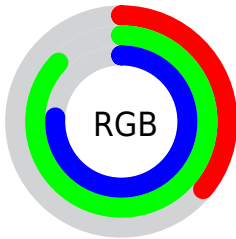
Format	Color
R_{YB}	93, 165, 221
Decimal	6151617
CIE _{Lab}	80.68, -42.04, 3.16
CIE _{LCh}	81, 42.157, 175.696
Yxy	57.8903, 0.2541, 0.3678
Android (android.graphics.Color)	4284341697 (0xFF5DDDC1)
YUV	179.5360, 6.6378, -75.8921
Hunter-Lab	76.0857, -39.3216, 6.8855

Details

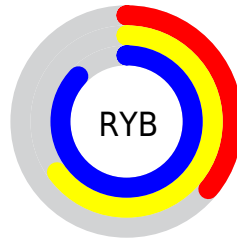
The Yxy color **57.8903, 0.2541, 0.3678** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted cyan. A complement of this color would be **24.5811, 0.4500, 0.2974**, and the grayscale version is **45.3707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2296, 0.2606, 0.3355**, and **28.8424, 0.2387, 0.3769** is the 20% darker color. If you saturate the color by 10%, you get **56.6890, 0.2489, 0.3758**, and if you desaturate by 10%, it is **59.4364, 0.2612, 0.3601**.

Distribution



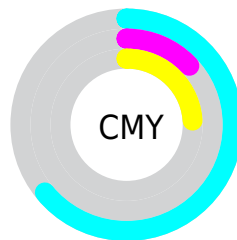
- Red (36%)
- Green (87%)
- Blue (76%)



- Red (36%)
- Yellow (65%)
- Blue (87%)



- Cyan (58%)
- Magenta (0%)
- Yellow (13%)
- Black (13%)




- Cyan (64%)
- Magenta (13%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.8903, 0.2541, 0.3678 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 57.8903, 0.2541, 0.3678 by changing the saturation by 10% instead.

 57.8903, 0.2541,
0.3678

 57.8903, 0.2541,
0.3678


416.7770, 0.2823,
0.3489


 41.7205, 0.2474,
0.3724

 101.7631, 0.2641,
0.3610


 28.8825, 0.2390,
0.3781


 130.2348, 0.2679,
0.3585

 18.9919, 0.2281,
0.3857


 163.5760, 0.2712,
0.3563

 11.6644, 0.2136,
0.3959

 202.1710, 0.2740,
0.3544

 6.5156, 0.1932,
0.4105

246.4042, 0.2765,
0.3528

 3.1611, 0.1628,
0.4330

296.6600, 0.2787,

 1.2164, 0.0408,

0.3513

353.3228, 0.2806,
0.3500

0.5104

0.0750, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

57.8903, 0.2541,
0.3678

57.8903, 0.2541,
0.3678

56.6890, 0.2489,
0.3758

59.4364, 0.2612,
0.3601

55.7959, 0.2456,
0.3839


61.3465, 0.2699,
0.3527


55.1785, 0.2443,
0.3920

63.6465, 0.2799,
0.3457

54.7877, 0.2447,
0.4000

66.3580, 0.2911,
0.3392

 54.7192, 0.2449,
0.4016

 69.5010, 0.3029,
0.3333

 73.0940, 0.3153,
0.3279

 77.1546, 0.3279,
0.3231

 78.7842, 0.3299,
0.3184

 79.0624, 0.3266,
0.3137

Harmonies

Analogous

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



57.8903, 0.3025, 0.4136



57.8903, 0.2541, 0.3678



57.8903, 0.2229, 0.3124

Triad

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



57.8903, 0.2541, 0.3678



57.8903, 0.2639, 0.2441



57.8903, 0.4217, 0.3757

Complementary

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



57.8903, 0.2541, 0.3678



24.5811, 0.4500, 0.2974

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.



57.8903, 0.4112, 0.3330



57.8903, 0.2541, 0.3678



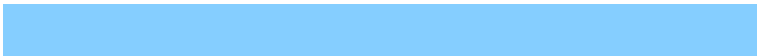
57.8903, 0.3155, 0.2609

Square

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



57.8903, 0.2541, 0.3678



57.8903, 0.2284, 0.2459



57.8903, 0.3708, 0.2924



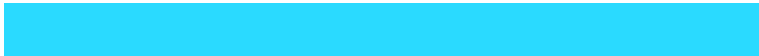
57.8903, 0.4005, 0.4119

Rectangle

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



57.8903, 0.2541, 0.3678



57.8903, 0.2145, 0.2812



57.8903, 0.3708, 0.2924



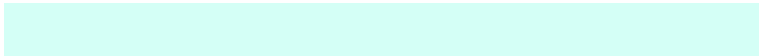
57.8903, 0.4219, 0.3617

Sweetspot

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



57.8926, 0.2541, 0.3678



92.0890, 0.2920, 0.3388



56.7070, 0.3210, 0.5059



19.5361, 0.2896, 0.3400



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.



57.8926, 0.2541, 0.3678



78.0316, 0.2478, 0.3779



43.0326, 0.2305, 0.2809



14.7782, 0.3011, 0.3342



31.8028, 0.2446, 0.4004



2.0727, 0.2409, 0.3873

Inverse Universe

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



24.5811, 0.4500, 0.2974



27.7489, 0.4998, 0.2952



31.3754, 0.4629, 0.3686



13.0979, 0.3257, 0.3239



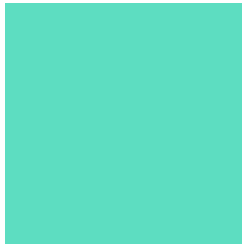
9.0695, 0.6013, 0.3086



0.6005, 0.5553, 0.2833

Previews

White Background



This preview shows how the Yxy color 57.8903, 0.2541, 0.3678 looks on a white background.

Color Contrast Check

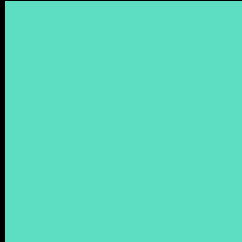
Large Text (above 18pt) WCAG AA × Fail

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 57.8903, 0.2541, 0.3678 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

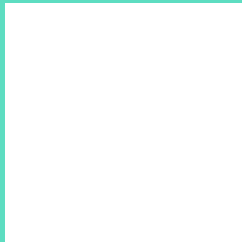
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.8903, 0.2541, 0.3678

Background



This preview shows how black text looks on a background with the Yxy color 57.8903, 0.2541, 0.3678.

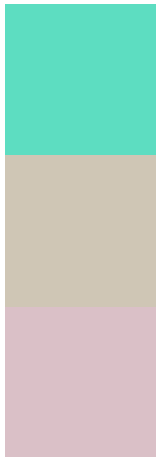


This preview shows how white text looks on a background with the Yxy color 57.8903, 0.2541, 0.3678.

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

57.8903, 0.2541, 0.3678

Protanopia

56.9898, 0.3327, 0.3494

Deuteranopia

56.7282, 0.3286, 0.3210



Tritanopia

57.6099, 0.2391, 0.3056

Trichromacy



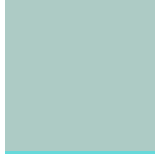
Original Color

57.8903, 0.2541, 0.3678



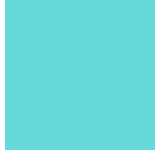
Protanomaly

55.7524, 0.2974, 0.3562



Deuteranomaly

55.6273, 0.2944, 0.3365



Tritanomaly

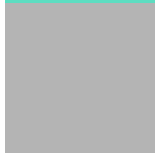
57.5124, 0.2445, 0.3275

Monochromacy



Original Color

57.8903, 0.2541, 0.3678



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

48.8289, 0.2841, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8903, 0.2541, 0.3678 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(93, 221, 193)` looks like.

```
.text, #text, p{  
  color:rgb(93, 221, 193)  
}
```

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(93, 221, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 221, 193) }
```

Border

The CSS property to change the border of an element to Yxy 57.8903, 0.2541, 0.3678 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(93, 221, 193) }
```

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

```
.border{ border-color:rgb(93, 221, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 221, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 221, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 221, 193);  
box-shadow:4px 4px 4px 4px rgb(93, 221,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8903, 0.2541, 0.3678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 221, 193) }
```

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

```
.background{ background-color: rgb(93, 221,  
193) }
```

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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