

Converting Colors

$Yxy(56.5619, 0.2511, 0.3646)$

Have a look what the booklet for
Yxy(56.5619, 0.2511, 0.3646)
contains.

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Color

Yxy(56.5843, 0.2508, 0.3639)

Conversions

Conversions Part 1

Format	Color
Hex	57DBC2
RGB	87, 219, 194
RGB Percent	34%, 86%, 76%
CMY	0.6590, 0.1412, 0.2392
CMYK	0.60, 0.00, 0.11, 0.14
HSL	169°, 65%, 60%
HSV	169°, 60%, 86%
XYZ	38.9979, 56.5843, 59.9119
YIQ	176.6820, -70.6470, -35.7590

Conversions

Conversions Part 2

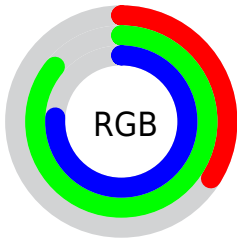
Format	Color
R_{YB}	87, 160, 219
Decimal	5757890
CIE _{Lab}	79.95, -42.02, 1.53
CIE _{LCh}	80, 42.046, 177.908
Yxy	56.5843, 0.2508, 0.3639
Android (android.graphics.Color)	4283947970 (0xFF57DBC2)
YUV	176.6820, 8.5378, -78.6511
Hunter-Lab	75.2225, -39.0990, 5.4336

Details

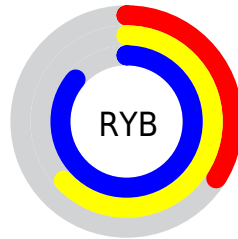
The Yxy color **56.5843, 0.2508, 0.3639** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.0410, 0.4648, 0.3013**, and the grayscale version is **43.7699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8117, 0.2579, 0.3344**, and **28.0878, 0.2371, 0.3735** is the 20% darker color. If you saturate the color by 10%, you get **55.5042, 0.2458, 0.3707**, and if you desaturate by 10%, it is **57.9936, 0.2577, 0.3572**.

Distribution



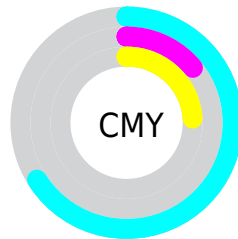
- Red (34%)
- Green (86%)
- Blue (76%)



- Red (34%)
- Yellow (63%)
- Blue (86%)



- Cyan (60%)
- Magenta (0%)
- Yellow (11%)
- Black (14%)




- Cyan (66%)
- Magenta (14%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5843, 0.2508, 0.3639 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 56.5843, 0.2508, 0.3639 by changing the saturation by 10% instead.

 56.5843, 0.2508,
0.3639


 56.5843, 0.2508,
0.3639

411.8898, 0.2806,
0.3470


 40.6716, 0.2437,
0.3680


 99.8584, 0.2614,
0.3579


 28.0626, 0.2348,
0.3731


 127.9885, 0.2654,
0.3556

 18.3728, 0.2234,
0.3797


 160.9599, 0.2689,
0.3536

 11.2180, 0.2080,
0.3887

 199.1570, 0.2718,
0.3519

 6.2137, 0.1865,
0.4014

242.9641, 0.2745,
0.3505

 2.9754, 0.1547,
0.4205

292.7657, 0.2767,

 1.1189, 0.0093,

0.3492

0.5002

348.9461, 0.2788,
0.3480

0.0000, 0.0000,
0.0000

56.5843, 0.2508,
0.3639

56.5843, 0.2508,
0.3639

55.5042, 0.2458,
0.3707

57.9936, 0.2577,
0.3572

54.7168, 0.2427,
0.3776

59.7517, 0.2663,
0.3508

54.1885, 0.2416,
0.3845

61.8845, 0.2763,
0.3448

53.8626, 0.2420,
0.3911

64.4133, 0.2876,
0.3391

67.3581, 0.2997,
0.3339

■ 70.7373, 0.3123,
0.3291

■ 74.5684, 0.3254,
0.3249

■ 77.4821, 0.3332,
0.3209

■ 77.7140, 0.3303,
0.3168

Harmonies

Analogous

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



56.5843, 0.2985, 0.4115



56.5843, 0.2508, 0.3639



56.5843, 0.2210, 0.3084

Triad

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



56.5843, 0.2508, 0.3639



56.5843, 0.2670, 0.2444



56.5843, 0.4217, 0.3789

Complementary

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



56.5843, 0.2508, 0.3639



23.0410, 0.4648, 0.3013

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.



56.5843, 0.4136, 0.3361



56.5843, 0.2508, 0.3639



56.5843, 0.3196, 0.2625

Square

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



56.5843, 0.2508, 0.3639



56.5843, 0.2300, 0.2447



56.5843, 0.3748, 0.2950



56.5843, 0.3983, 0.4144

Rectangle

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



56.5843, 0.2508, 0.3639



56.5843, 0.2138, 0.2780



56.5843, 0.3748, 0.2950



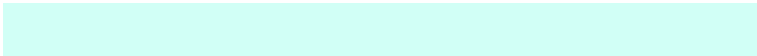
56.5843, 0.4228, 0.3650

Sweetspot

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



56.5865, 0.2508, 0.3639



91.7629, 0.2901, 0.3379



54.8894, 0.3181, 0.5148



19.3962, 0.2866, 0.3395



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.



56.5865, 0.2508, 0.3639



78.0552, 0.2449, 0.3723



39.5379, 0.2264, 0.2720



14.7851, 0.3007, 0.3335



31.9513, 0.2417, 0.3901



2.0811, 0.2386, 0.3789

Inverse Universe

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



23.0410, 0.4648, 0.3013



26.8613, 0.5159, 0.3004



30.8187, 0.4679, 0.3748



13.0916, 0.3262, 0.3246



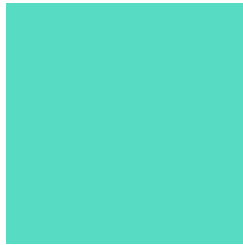
9.0387, 0.6093, 0.3130



0.5976, 0.5650, 0.2886

Previews

White Background



This preview shows how the Yxy color 56.5843, 0.2508, 0.3639 looks on a white background.

Color Contrast Check

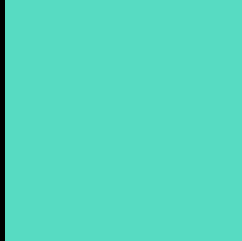
Large Text (above 18pt) WCAG AA × Fail

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 56.5843, 0.2508, 0.3639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

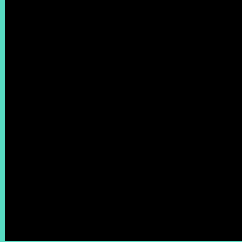
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

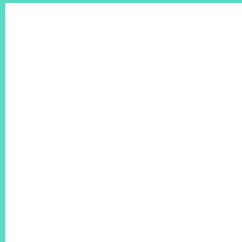
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.5843, 0.2508, 0.3639

Background



This preview shows how black text looks on a background with the Yxy color 56.5843, 0.2508, 0.3639.

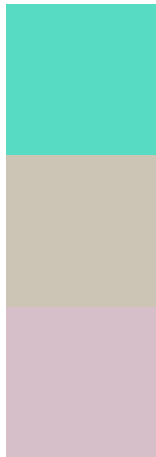


This preview shows how white text looks on a background with the Yxy color 56.5843, 0.2508, 0.3639.

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

56.5843, 0.2508, 0.3639

Protanopia

55.6534, 0.3305, 0.3472

Deuteranopia

55.7279, 0.3246, 0.3186



Tritanopia

56.6294, 0.2374, 0.3066

Trichromacy



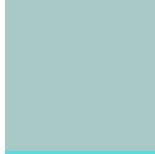
Original Color

56.5843, 0.2508, 0.3639



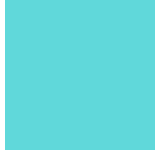
Protanomaly

54.3080, 0.2932, 0.3526



Deuteranomaly

54.1753, 0.2901, 0.3328



Tritanomaly

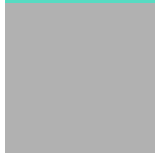
56.6605, 0.2419, 0.3261

Monochromacy



Original Color

56.5843, 0.2508, 0.3639



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

47.0475, 0.2823, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5843, 0.2508, 0.3639 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(87, 219, 194)` looks like.

```
.text, #text, p{  
    color:rgb(87, 219, 194)  
}
```

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(87, 219, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 219, 194) }
```

Border

The CSS property to change the border of an element to Yxy 56.5843, 0.2508, 0.3639 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(87, 219, 194) }
```

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

```
.border{ border-color:rgb(87, 219, 194) }
```

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

Here you see how a box with a 4 pixel rgb(87, 219, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 219, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 219, 194);  
box-shadow:4px 4px 4px 4px rgb(87, 219,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5843, 0.2508, 0.3639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 219, 194) }
```

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

```
.background{ background-color: rgb(87, 219,  
194) }
```

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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