

Converting Colors

$Yxy(58.8496, 0.2658, 0.3829)$

Have a look what the booklet for
Yxy(58.8496, 0.2658, 0.3829)
contains.

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Color

Yxy(58.8496, 0.2658, 0.3829)

Conversions

Conversions Part 1

Format	Color
Hex	6CDEB7
RGB	108, 222, 183
RGB Percent	42%, 87%, 72%
CMY	0.5764, 0.1294, 0.2824
CMYK	0.51, 0.00, 0.18, 0.13
HSL	159°, 63%, 65%
HSV	159°, 51%, 87%
XYZ	40.8520, 58.8496, 53.9929
YIQ	183.4680, -55.4250, -36.2970

Conversions

Conversions Part 2

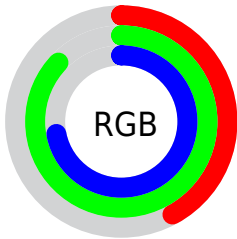
Format	Color
RYB	108, 177, 222
Decimal	7134903
CIELab	81.21, -41.67, 9.30
CIELCh	81, 42.693, 167.420
Yxy	58.8496, 0.2658, 0.3829
Android (android.graphics.Color)	4285324983 (0xFF6CDEB7)
YUV	183.4680, -0.2307, -66.1854
Hunter-Lab	76.7135, -39.1926, 11.9697

Details

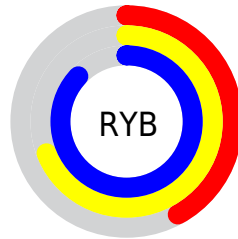
The Yxy color **58.8496, 0.2658, 0.3829** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.3665, 0.4073, 0.2835**, and the grayscale version is **47.6506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8590, 0.2708, 0.3467**, and **29.4420, 0.2533, 0.3978** is the 20% darker color. If you saturate the color by 10%, you get **57.3245, 0.2604, 0.3957**, and if you desaturate by 10%, it is **60.7508, 0.2729, 0.3707**.

Distribution



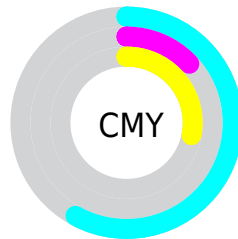
- Red (42%)
- Green (87%)
- Blue (72%)



- Red (42%)
- Yellow (69%)
- Blue (87%)



- Cyan (51%)
- Magenta (0%)
- Yellow (18%)
- Black (13%)





- Cyan (58%)
- Magenta (13%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.8496, 0.2658, 0.3829 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 58.8496, 0.2658, 0.3829 by changing the saturation by 10% instead.


 58.8496, 0.2658,
0.3829


 58.8496, 0.2658,
0.3829


420.3443, 0.2887,
0.3561

 42.4921, 0.2603,
0.3895


 103.1590, 0.2740,
0.3732

 29.4868, 0.2532,
0.3980


 131.8797, 0.2771,
0.3696

 19.4494, 0.2441,
0.4092


 165.4903, 0.2798,
0.3665

 11.9954, 0.2317,
0.4247

204.3750, 0.2820,
0.3638

 6.7406, 0.2139,
0.4475

248.9184, 0.2840,
0.3615

 3.3004, 0.1866,
0.4840

299.5048, 0.2858,

 1.2905, 0.0753,

0.3595

0.5992

356.5187, 0.2873,
0.3577

■ 0.1338, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.8496, 0.2658,
0.3829

■ 58.8496, 0.2658,
0.3829

■ 57.3245, 0.2604,
0.3957

■ 60.7508, 0.2729,
0.3707

■ 56.1408, 0.2568,
0.4088


■ 63.0460, 0.2813,
0.3592


■ 55.2691, 0.2552,
0.4221

■ 65.7601, 0.2906,
0.3486


■ 54.6714, 0.2557,
0.4353

■ 68.9140, 0.3007,
0.3389

 54.3201, 0.2574,
0.4465

 72.5271, 0.3113,
0.3301

 76.6178, 0.3220,
0.3223

 79.5716, 0.3267,
0.3150

 80.0234, 0.3216,
0.3076

 80.4942, 0.3166,
0.3004

Harmonies

Analogous

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



58.8496, 0.3174, 0.4220



58.8496, 0.2658, 0.3829



58.8496, 0.2288, 0.3271

Triad

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



58.8496, 0.2658, 0.3829



58.8496, 0.2518, 0.2420



58.8496, 0.4230, 0.3643

Complementary

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



58.8496, 0.2658, 0.3829



28.3665, 0.4073, 0.2835

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.



58.8496, 0.4032, 0.3212



58.8496, 0.2658, 0.3829



58.8496, 0.3001, 0.2541

Square

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



58.8496, 0.2658, 0.3829



58.8496, 0.2217, 0.2495



58.8496, 0.3565, 0.2822



58.8496, 0.4098, 0.4037

Rectangle

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



58.8496, 0.2658, 0.3829



58.8496, 0.2161, 0.2929



58.8496, 0.3565, 0.2822



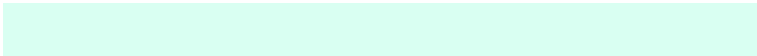
58.8496, 0.4200, 0.3499

Sweetspot

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



58.8520, 0.2658, 0.3829



92.6385, 0.2969, 0.3424



59.6155, 0.3304, 0.4801



19.6317, 0.2947, 0.3445



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.



58.8520, 0.2658, 0.3829



78.2669, 0.2599, 0.3972



52.0809, 0.2419, 0.3059



15.4884, 0.3027, 0.3371



32.2853, 0.2568, 0.4446



2.2544, 0.2513, 0.4245

Inverse Universe

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



28.3665, 0.4073, 0.2835



32.0262, 0.4408, 0.2763



31.3093, 0.4484, 0.3494



13.7776, 0.3239, 0.3210



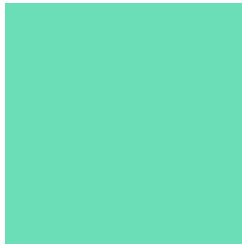
9.5531, 0.5598, 0.2857



0.6786, 0.5165, 0.2619

Previews

White Background



This preview shows how the Yxy color 58.8496, 0.2658, 0.3829 looks on a white background.

Color Contrast Check

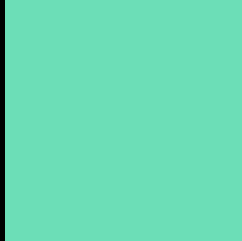
Large Text (above 18pt) WCAG AA × Fail

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 58.8496, 0.2658, 0.3829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

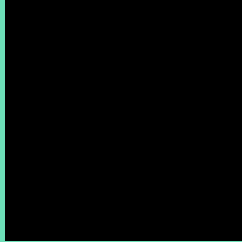
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

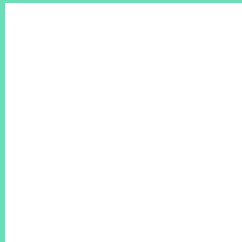
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.8496, 0.2658, 0.3829

Background



This preview shows how black text looks on a background with the Yxy color 58.8496, 0.2658, 0.3829.

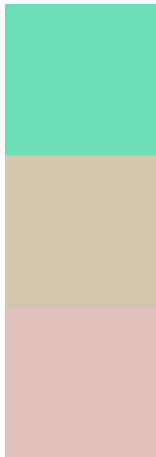


This preview shows how white text looks on a background with the Yxy color 58.8496, 0.2658, 0.3829.

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

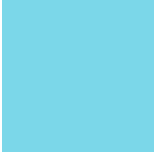
58.8496, 0.2658, 0.3829

Protanopia

58.1360, 0.3426, 0.3623

Deuteranopia

58.1050, 0.3412, 0.3348



Tritanopia

58.6950, 0.2460, 0.3060

Trichromacy



Original Color

58.8496, 0.2658, 0.3829



Protanomaly

57.2450, 0.3093, 0.3701



Deuteranomaly

56.7187, 0.3079, 0.3503



Tritanomaly

58.9007, 0.2531, 0.3328

Monochromacy



Original Color

58.8496, 0.2658, 0.3829



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

50.4193, 0.2913, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8496, 0.2658, 0.3829 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(108, 222, 183)` looks like.

```
.text, #text, p{  
    color:rgb(108, 222, 183)  
}
```

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(108, 222, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 222, 183) }
```

Border

The CSS property to change the border of an element to Yxy 58.8496, 0.2658, 0.3829 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(108, 222, 183) }
```

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

```
.border{ border-color:rgb(108, 222, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 222, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 222, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 222, 183);  
box-shadow:4px 4px 4px 4px rgb(108, 222,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8496, 0.2658, 0.3829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 222, 183) }
```

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

```
.background{ background-color: rgb(108,  
222, 183) }
```

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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