

Converting Colors

$Yxy(50.9995, 0.2593, 0.3806)$

Have a look what the booklet for
Yxy(50.9995, 0.2593, 0.3806)
contains.

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Color

Yxy(50.8306, 0.2596, 0.3807)

Conversions

Conversions Part 1

Format	Color
Hex	5AD1AE
RGB	90, 209, 174
RGB Percent	35%, 82%, 68%
CMY	0.6468, 0.1804, 0.3177
CMYK	0.57, 0.00, 0.17, 0.18
HSL	162°, 56%, 59%
HSV	162°, 57%, 82%
XYZ	34.6615, 50.8306, 48.0267
YIQ	169.4290, -59.6890, -36.1130

Conversions

Conversions Part 2

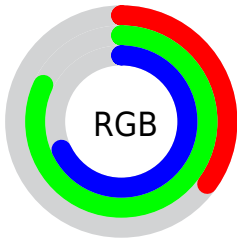
Format	Color
RYB	90, 160, 209
Decimal	5951918
CIELab	76.58, -41.81, 7.37
CIELCh	77, 42.457, 170.002
Yxy	50.8306, 0.2596, 0.3807
Android (android.graphics.Color)	4284141998 (0xFF5AD1AE)
YUV	169.4290, 2.2535, -69.6592
Hunter-Lab	71.2956, -37.9867, 9.9675

Details

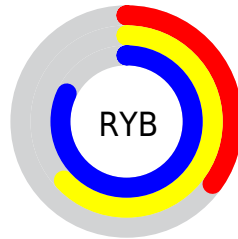
The Yxy color **50.8306, 0.2596, 0.3807** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **22.3618, 0.4316, 0.2867**, and the grayscale version is **39.9202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5667, 0.2676, 0.3589**, and **24.5809, 0.2445, 0.3956** is the 20% darker color. If you saturate the color by 10%, you get **49.6924, 0.2547, 0.3917**, and if you desaturate by 10%, it is **52.2784, 0.2662, 0.3701**.

Distribution



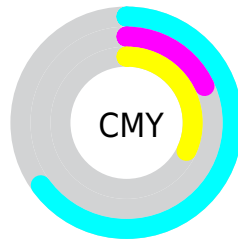
- Red (35%)
- Green (82%)
- Blue (68%)



- Red (35%)
- Yellow (63%)
- Blue (82%)



- Cyan (57%)
- Magenta (0%)
- Yellow (17%)
- Black (18%)




- Cyan (65%)
- Magenta (18%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8306, 0.2596, 0.3807 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 50.8306, 0.2596, 0.3807 by changing the saturation by 10% instead.

 50.8306, 0.2596,
0.3807


 50.8306, 0.2596,
0.3807


389.9053, 0.2860,
0.3545

 36.0738, 0.2531,
0.3874


 91.4043, 0.2692,
0.3711

 24.4912, 0.2447,
0.3960


 117.9900, 0.2728,
0.3675

 15.6984, 0.2337,
0.4075


 149.2875, 0.2758,
0.3645

 9.3110, 0.2184,
0.4238

 185.6812, 0.2784,
0.3619

 4.9446, 0.1962,
0.4484

227.5554, 0.2807,
0.3597

 2.2148, 0.1601,
0.4901

275.2945, 0.2827,

 0.7280, 0.0000,

0.3577

0.7241

329.2830, 0.2845,
0.3560

■ 0.0000, 0.0000,
0.0000

■ 50.8306, 0.2596,
0.3807

■ 50.8306, 0.2596,
0.3807

■ 49.6924, 0.2547,
0.3917

■ 52.2784, 0.2662,
0.3701

■ 48.8323, 0.2518,
0.4029

■ 54.0525, 0.2744,
0.3600

■ 48.2225, 0.2509,
0.4141

■ 56.1752, 0.2837,
0.3506

■ 47.8238, 0.2519,
0.4251

■ 58.6653, 0.2940,
0.3419

■ 47.7215, 0.2524,
0.4285

■ 61.5402, 0.3049,
0.3340

■ 64.8160, 0.3162,
0.3269

■ 68.5081, 0.3277,
0.3205

■ 72.1982, 0.3373,
0.3147

■ 72.5364, 0.3329,
0.3086

Harmonies

Analogous

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



50.8306, 0.3125, 0.4243



50.8306, 0.2596, 0.3807



50.8306, 0.2230, 0.3219

Triad

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



50.8306, 0.2596, 0.3807



50.8306, 0.2529, 0.2390



50.8306, 0.4279, 0.3692

Complementary

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



50.8306, 0.2596, 0.3807



22.3618, 0.4316, 0.2867

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.



50.8306, 0.4103, 0.3244



50.8306, 0.2596, 0.3807



50.8306, 0.3043, 0.2531

Square

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



50.8306, 0.2596, 0.3807



50.8306, 0.2199, 0.2447



50.8306, 0.3632, 0.2834



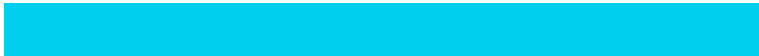
50.8306, 0.4112, 0.4095

Rectangle

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



50.8306, 0.2596, 0.3807



50.8306, 0.2113, 0.2870



50.8306, 0.3632, 0.2834



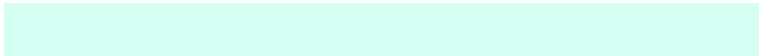
50.8306, 0.4260, 0.3543

Sweetspot

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



50.8326, 0.2596, 0.3807



91.8905, 0.2937, 0.3422



50.7554, 0.3266, 0.4990



19.4890, 0.2916, 0.3439



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.



50.8326, 0.2596, 0.3807



77.6541, 0.2540, 0.3938



41.5672, 0.2344, 0.2942



13.3453, 0.3022, 0.3359



29.4425, 0.2519, 0.4269



1.6598, 0.2463, 0.4067

Inverse Universe

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



22.3618, 0.4316, 0.2867



28.9177, 0.4728, 0.2823



26.2966, 0.4651, 0.3582



11.8647, 0.3245, 0.3222



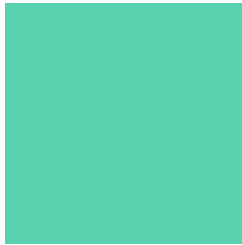
8.5841, 0.5766, 0.2950



0.4939, 0.5234, 0.2657

Previews

White Background



This preview shows how the Yxy color 50.8306, 0.2596, 0.3807 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 50.8306, 0.2596, 0.3807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

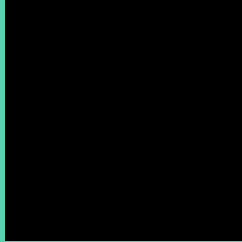
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

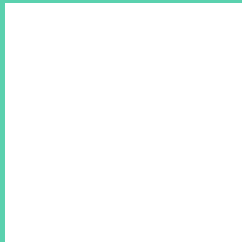
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8306, 0.2596, 0.3807

Background



This preview shows how black text looks on a background with the Yxy color 50.8306, 0.2596, 0.3807.

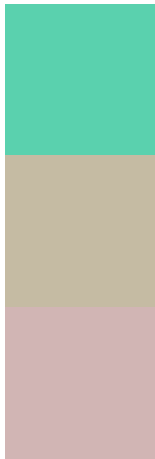


This preview shows how white text looks on a background with the Yxy color 50.8306, 0.2596, 0.3807.

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

50.8306, 0.2596, 0.3807

Protanopia

50.0553, 0.3404, 0.3594

Deuteranopia

49.8983, 0.3380, 0.3303



Tritanopia

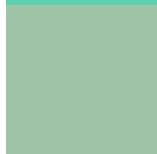
50.8296, 0.2415, 0.3071

Trichromacy



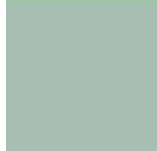
Original Color

50.8306, 0.2596, 0.3807



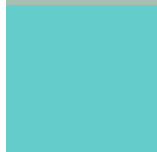
Protanomaly

49.0893, 0.3039, 0.3675



Deuteranomaly

48.5829, 0.3023, 0.3464



Tritanomaly

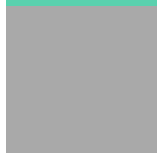
50.6838, 0.2478, 0.3316

Monochromacy



Original Color

50.8306, 0.2596, 0.3807



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.7967, 0.2870, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8306, 0.2596, 0.3807 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(90, 209, 174)` looks like.

```
.text, #text, p{  
    color:rgb(90, 209, 174)  
}
```

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(90, 209, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 209, 174) }
```

Border

The CSS property to change the border of an element to Yxy 50.8306, 0.2596, 0.3807 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(90, 209, 174) }
```

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

```
.border{ border-color:rgb(90, 209, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 209, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 209, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 209, 174);  
box-shadow:4px 4px 4px 4px rgb(90, 209,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8306, 0.2596, 0.3807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 209, 174) }
```

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

```
.background{ background-color: rgb(90, 209,  
174) }
```

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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