

Converting Colors

$Y_{xy}(55.2911, 0.2609, 0.3798)$

Have a look what the booklet for
Yxy(55.2911, 0.2609, 0.3798)
contains.

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Color

Yxy(55.5033, 0.2608, 0.3801)

Conversions

Conversions Part 1

Format	Color
Hex	61D9B5
RGB	97, 217, 181
RGB Percent	38%, 85%, 71%
CMY	0.6197, 0.1490, 0.2901
CMYK	0.55, 0.00, 0.17, 0.15
HSL	162°, 61%, 62%
HSV	162°, 55%, 85%
XYZ	38.0828, 55.5033, 52.4368
YIQ	177.0160, -59.9640, -36.6360

Conversions

Conversions Part 2

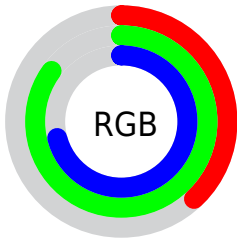
Format	Color
RYB	97, 168, 217
Decimal	6412725
CIELab	79.33, -42.30, 7.60
CIELCh	79, 42.973, 169.820
Yxy	55.5033, 0.2608, 0.3801
Android (android.graphics.Color)	4284602805 (0xFF61D9B5)
YUV	177.0160, 1.9641, -70.1740
Hunter-Lab	74.5005, -39.1313, 10.4194

Details

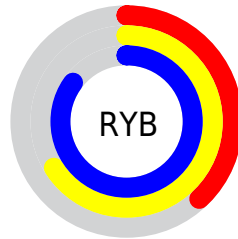
The Yxy color **55.5033, 0.2608, 0.3801** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.9885, 0.4259, 0.2867**, and the grayscale version is **43.9864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7023, 0.2670, 0.3493**, and **27.2549, 0.2467, 0.3945** is the 20% darker color. If you saturate the color by 10%, you get **54.2116, 0.2557, 0.3913**, and if you desaturate by 10%, it is **57.1378, 0.2676, 0.3693**.

Distribution



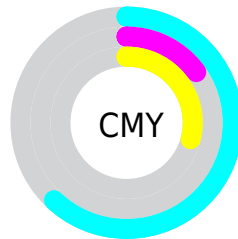
- Red (38%)
- Green (85%)
- Blue (71%)



- Red (38%)
- Yellow (66%)
- Blue (85%)



- Cyan (55%)
- Magenta (0%)
- Yellow (17%)
- Black (15%)





- Cyan (62%)
- Magenta (15%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.5033, 0.2608, 0.3801 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 55.5033, 0.2608, 0.3801 by changing the saturation by 10% instead.

 55.5033, 0.2608,
0.3801


 55.5033, 0.2608,
0.3801


407.8169, 0.2863,
0.3546


 39.8048, 0.2546,
0.3865


 98.2780, 0.2699,
0.3708

 27.3864, 0.2468,
0.3946


 126.1230, 0.2734,
0.3673

 17.8636, 0.2365,
0.4055


 158.7856, 0.2763,
0.3644

 10.8521, 0.2225,
0.4205

 196.6502, 0.2789,
0.3619

 5.9675, 0.2024,
0.4428

240.1013, 0.2811,
0.3597

 2.8253, 0.1715,
0.4789

289.5232, 0.2830,

 1.0412, 0.0000,

0.3578

0.6369

345.3003, 0.2847,
0.3561

0.0000, 0.0000,
0.0000

55.5033, 0.2608,
0.3801

55.5033, 0.2608,
0.3801

54.2116, 0.2557,
0.3913

57.1378, 0.2676,
0.3693

53.2287, 0.2525,
0.4027

59.1328, 0.2759,
0.3591

52.5248, 0.2514,
0.4142

61.5128, 0.2854,
0.3496

52.0609, 0.2522,
0.4255

64.2978, 0.2958,
0.3409

51.8942, 0.2530,
0.4307

67.5069, 0.3067,
0.3329

■ 71.1576, 0.3180,
0.3257

■ 75.2666, 0.3294,
0.3193

■ 76.7750, 0.3293,
0.3131

■ 77.1537, 0.3248,
0.3067

Harmonies

Analogous

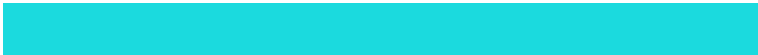
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.5033, 0.3129, 0.4227



55.5033, 0.2608, 0.3801



55.5033, 0.2246, 0.3224

Triad

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



55.5033, 0.2608, 0.3801



55.5033, 0.2536, 0.2403



55.5033, 0.4260, 0.3684

Complementary

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



55.5033, 0.2608, 0.3801



24.9885, 0.4259, 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.



55.5033, 0.4084, 0.3243



55.5033, 0.2608, 0.3801



55.5033, 0.3042, 0.2541

Square

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



55.5033, 0.2608, 0.3801



55.5033, 0.2212, 0.2461



55.5033, 0.3621, 0.2839



55.5033, 0.4098, 0.4081

Rectangle

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



55.5033, 0.2608, 0.3801



55.5033, 0.2130, 0.2880



55.5033, 0.3621, 0.2839



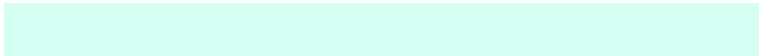
55.5033, 0.4239, 0.3538

Sweetspot

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



55.5055, 0.2608, 0.3801



91.8763, 0.2938, 0.3424



55.4759, 0.3266, 0.4945



19.4856, 0.2917, 0.3442



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.



55.5055, 0.2608, 0.3801



77.9183, 0.2552, 0.3927



45.6890, 0.2360, 0.2952



14.7596, 0.3022, 0.3361



31.4318, 0.2525, 0.4291



2.0513, 0.2474, 0.4107

Inverse Universe

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



24.9885, 0.4259, 0.2867



29.8381, 0.4642, 0.2818



29.2844, 0.4594, 0.3577



13.1154, 0.3245, 0.3220



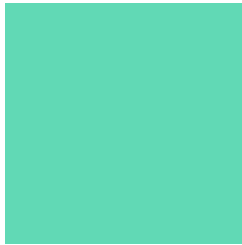
9.1776, 0.5752, 0.2942



0.6096, 0.5284, 0.2685

Previews

White Background



This preview shows how the Yxy color 55.5033, 0.2608, 0.3801 looks on a white background.

Color Contrast Check

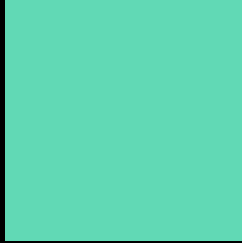
Large Text (above 18pt) WCAG AA × Fail

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 55.5033, 0.2608, 0.3801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

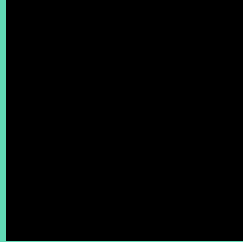
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

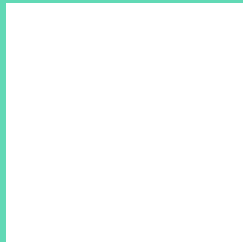
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.5033, 0.2608, 0.3801

Background



This preview shows how black text looks on a background with the Yxy color 55.5033, 0.2608, 0.3801.

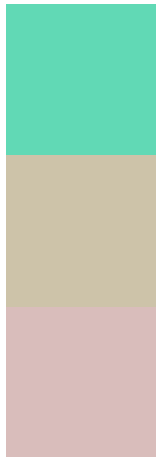


This preview shows how white text looks on a background with the Yxy color 55.5033, 0.2608, 0.3801.

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

55.5033, 0.2608, 0.3801

Protanopia

54.8739, 0.3409, 0.3607

Deuteranopia

54.7348, 0.3378, 0.3314



Tritanopia

55.6347, 0.2424, 0.3066

Trichromacy



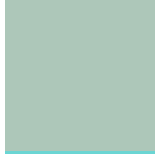
Original Color

55.5033, 0.2608, 0.3801



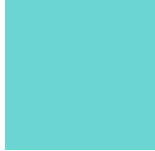
Protanomaly

53.8360, 0.3056, 0.3687



Deuteranomaly

53.2339, 0.3026, 0.3471



Tritanomaly

55.4174, 0.2489, 0.3315

Monochromacy



Original Color

55.5033, 0.2608, 0.3801



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

47.2095, 0.2886, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5033, 0.2608, 0.3801 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(97, 217, 181)` looks like.

```
.text, #text, p{  
    color:rgb(97, 217, 181)  
}
```

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(97, 217, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 217, 181) }
```

Border

The CSS property to change the border of an element to Yxy 55.5033, 0.2608, 0.3801 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(97, 217, 181) }
```

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

```
.border{ border-color:rgb(97, 217, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 217, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 217, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 217, 181);  
box-shadow:4px 4px 4px 4px rgb(97, 217,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5033, 0.2608, 0.3801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 217, 181) }
```

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

```
.background{ background-color: rgb(97, 217,  
181) }
```

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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