

Converting Colors

$Yxy(53.5475, 0.2581, 0.3806)$

Have a look what the booklet for
Yxy(53.5475, 0.2581, 0.3806)
contains.

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Color

Yxy(53.4717, 0.2578, 0.3797)

Conversions

Conversions Part 1

Format	Color
Hex	59D6B3
RGB	89, 214, 179
RGB Percent	35%, 84%, 70%
CMY	0.6508, 0.1608, 0.2981
CMYK	0.58, 0.00, 0.16, 0.16
HSL	163°, 60%, 59%
HSV	163°, 58%, 84%
XYZ	36.3050, 53.4717, 51.0495
YIQ	172.6350, -63.2650, -37.3850

Conversions

Conversions Part 2

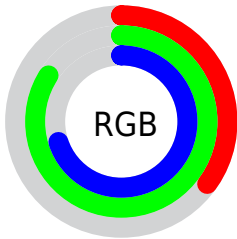
Format	Color
RYB	89, 162, 214
Decimal	5887667
CIELab	78.15, -43.05, 6.96
CIELCh	78, 43.607, 170.816
Yxy	53.4717, 0.2578, 0.3797
Android (android.graphics.Color)	4284077747 (0xFF59D6B3)
YUV	172.6350, 3.1379, -73.3479
Hunter-Lab	73.1243, -39.3454, 9.7956

Details

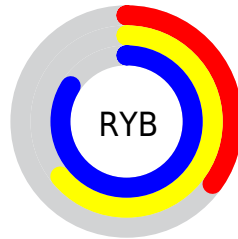
The Yxy color **53.4717, 0.2578, 0.3797** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **22.9048, 0.4395, 0.2880**, and the grayscale version is **41.6077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9077, 0.2648, 0.3518**, and **25.9601, 0.2428, 0.3942** is the 20% darker color. If you saturate the color by 10%, you get **52.3266, 0.2531, 0.3902**, and if you desaturate by 10%, it is **54.9392, 0.2643, 0.3696**.

Distribution



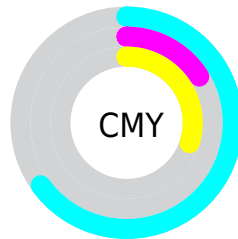
- Red (35%)
- Green (84%)
- Blue (70%)



- Red (35%)
- Yellow (64%)
- Blue (84%)



- Cyan (58%)
- Magenta (0%)
- Yellow (16%)
- Black (16%)



- Cyan (65%)
- Magenta (16%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.4717, 0.2578, 0.3797 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 53.4717, 0.2578, 0.3797 by changing the saturation by 10% instead.


 53.4717, 0.2578,
0.3797


 53.4717, 0.2578,
0.3797


400.0922, 0.2848,
0.3543


 38.1795, 0.2512,
0.3861


 95.2981, 0.2675,
0.3704


 26.1220, 0.2428,
0.3943


 122.6011, 0.2712,
0.3670

 16.9149, 0.2318,
0.4052


 154.6764, 0.2743,
0.3640

 10.1739, 0.2168,
0.4204

 191.9085, 0.2770,
0.3615

 5.5144, 0.1951,
0.4431

234.6817, 0.2794,
0.3593

 2.5521, 0.1616,
0.4800

283.3805, 0.2814,

 0.9027, 0.0000,

0.3574

0.6453

338.3892, 0.2832,
0.3557

■ 0.0000, 0.0000,
0.0000

■ 53.4717, 0.2578,
0.3797

■ 53.4717, 0.2578,
0.3797

■ 52.3266, 0.2531,
0.3902

■ 54.9392, 0.2643,
0.3696

■ 51.4700, 0.2504,
0.4008

■ 56.7473, 0.2724,
0.3599

■ 50.8715, 0.2497,
0.4114

■ 58.9198, 0.2817,
0.3509

■ 50.4825, 0.2508,
0.4219

■ 61.4769, 0.2921,
0.3425

■ 50.4280, 0.2510,
0.4236

■ 64.4371, 0.3031,
0.3349

■ 67.8179, 0.3146,
0.3279

■ 71.6355, 0.3262,
0.3217

■ 74.8972, 0.3340,
0.3161

■ 75.2340, 0.3297,
0.3101

Harmonies

Analogous

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



53.4717, 0.3109, 0.4246



53.4717, 0.2578, 0.3797



53.4717, 0.2215, 0.3202

Triad

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



53.4717, 0.2578, 0.3797



53.4717, 0.2535, 0.2383



53.4717, 0.4290, 0.3707

Complementary

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



53.4717, 0.2578, 0.3797



22.9048, 0.4395, 0.2880

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.



53.4717, 0.4122, 0.3255



53.4717, 0.2578, 0.3797



53.4717, 0.3058, 0.2531

Square

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



53.4717, 0.2578, 0.3797



53.4717, 0.2197, 0.2435



53.4717, 0.3653, 0.2840



53.4717, 0.4112, 0.4111

Rectangle

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



53.4717, 0.2578, 0.3797



53.4717, 0.2102, 0.2852



53.4717, 0.3653, 0.2840



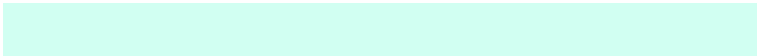
53.4717, 0.4274, 0.3556

Sweetspot

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



53.4738, 0.2578, 0.3797



91.5091, 0.2923, 0.3423



53.1341, 0.3251, 0.5047



19.3337, 0.2892, 0.3447



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.



53.4738, 0.2578, 0.3797



77.4843, 0.2523, 0.3926



42.4906, 0.2321, 0.2900



14.0458, 0.3020, 0.3356



30.4988, 0.2506, 0.4220



1.8533, 0.2455, 0.4039

Inverse Universe

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



22.9048, 0.4395, 0.2880



28.0177, 0.4839, 0.2845



27.5361, 0.4696, 0.3613



12.4774, 0.3247, 0.3225



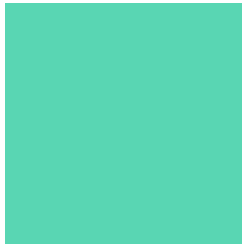
8.8534, 0.5817, 0.2978



0.5481, 0.5317, 0.2703

Previews

White Background



This preview shows how the Yxy color 53.4717, 0.2578, 0.3797 looks on a white background.

Color Contrast Check

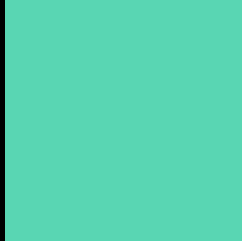
Large Text (above 18pt) WCAG AA × Fail

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 53.4717, 0.2578, 0.3797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

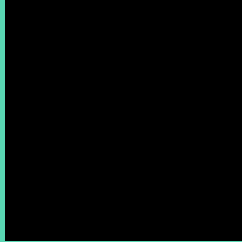
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

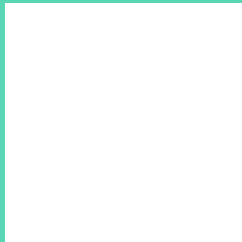
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.4717, 0.2578, 0.3797

Background



This preview shows how black text looks on a background with the Yxy color 53.4717, 0.2578, 0.3797.

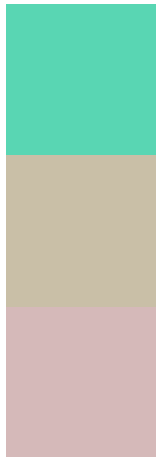


This preview shows how white text looks on a background with the Yxy color 53.4717, 0.2578, 0.3797.

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

53.4717, 0.2578, 0.3797

Protanopia

52.4691, 0.3398, 0.3588

Deuteranopia

52.3468, 0.3366, 0.3291



Tritanopia

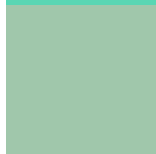
53.4968, 0.2405, 0.3075

Trichromacy



Original Color

53.4717, 0.2578, 0.3797



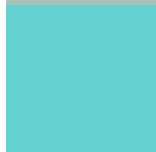
Protanomaly

51.2607, 0.3025, 0.3669



Deuteranomaly

51.2236, 0.3002, 0.3461



Tritanomaly

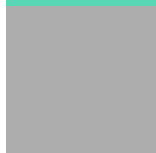
53.2999, 0.2462, 0.3316

Monochromacy



Original Color

53.4717, 0.2578, 0.3797



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

44.8124, 0.2860, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.4717, 0.2578, 0.3797 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(89, 214, 179)` looks like.

```
.text, #text, p{  
    color:rgb(89, 214, 179)  
}
```

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(89, 214, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 214, 179) }
```

Border

The CSS property to change the border of an element to Yxy 53.4717, 0.2578, 0.3797 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(89, 214, 179) }
```

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

```
.border{ border-color:rgb(89, 214, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 214, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 214, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 214, 179);  
box-shadow:4px 4px 4px 4px rgb(89, 214,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 53.4717, 0.2578, 0.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 214, 179) }
```

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

```
.background{ background-color: rgb(89, 214,  
179) }
```

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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