

Converting Colors

Yxy(51.9032, 0.2658, 0.4026)

Have a look what the booklet for
Yxy(51.9032, 0.2658, 0.4026)
contains.

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Color

Yxy(51.8552, 0.2657, 0.4020)

Conversions

Conversions Part 1

Format	Color
Hex	59D4A3
RGB	89, 212, 163
RGB Percent	35%, 83%, 64%
CMY	0.6511, 0.1686, 0.3607
CMYK	0.58, 0.00, 0.23, 0.17
HSL	156°, 59%, 59%
HSV	156°, 58%, 83%
XYZ	34.2734, 51.8552, 42.8644
YIQ	169.6370, -57.5790, -41.3150

Conversions

Conversions Part 2

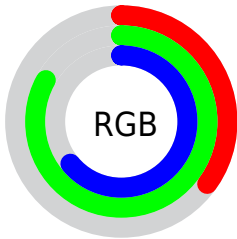
Format	Color
RYB	89, 166, 212
Decimal	5887139
CIELab	77.19, -45.81, 14.10
CIELCh	77, 47.934, 162.894
Yxy	51.8552, 0.2657, 0.4020
Android (android.graphics.Color)	4284077219 (0xFF59D4A3)
YUV	169.6370, -3.2720, -70.7186
Hunter-Lab	72.0106, -41.0613, 15.1149

Details

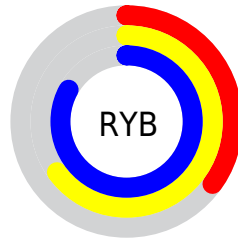
The Yxy color **51.8552, 0.2657, 0.4020** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **22.9708, 0.4160, 0.2706**, and the grayscale version is **40.0442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8779, 0.2723, 0.3723**, and **24.9569, 0.2518, 0.4241** is the 20% darker color. If you saturate the color by 10%, you get **50.6630, 0.2619, 0.4174**, and if you desaturate by 10%, it is **53.3736, 0.2712, 0.3872**.

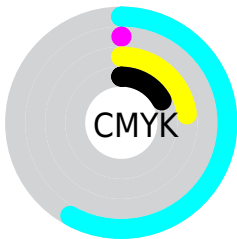
Distribution



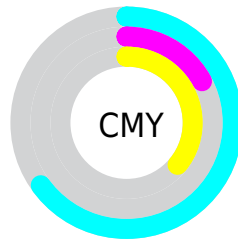
- Red (35%)
- Green (83%)
- Blue (64%)



- Red (35%)
- Yellow (65%)
- Blue (83%)



- Cyan (58%)
- Magenta (0%)
- Yellow (23%)
- Black (17%)





- Cyan (65%)
- Magenta (17%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.8552, 0.2657, 0.4020 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 51.8552, 0.2657, 0.4020 by changing the saturation by 10% instead.


 51.8552, 0.2657,
0.4020


 51.8552, 0.2657,
0.4020


393.8773, 0.2895,
0.3644


 36.8897, 0.2597,
0.4117


 92.9177, 0.2744,
0.3881


 25.1221, 0.2519,
0.4243


 119.7834, 0.2777,
0.3830

 16.1680, 0.2415,
0.4414


 151.3846, 0.2804,
0.3787

 9.6431, 0.2268,
0.4658

 188.1058, 0.2828,
0.3750

 5.1630, 0.2049,
0.5032

230.3312, 0.2848,
0.3718

 2.3432, 0.1674,
0.5679

278.4454, 0.2866,

 0.7964, 0.0000,

0.3690

1.0000

332.8326, 0.2881,
0.3666

0.0000, 0.0000,
0.0000

51.8552, 0.2657,
0.4020

51.8552, 0.2657,
0.4020

50.6630, 0.2619,
0.4174

53.3736, 0.2712,
0.3872

49.7637, 0.2601,
0.4329

55.2360, 0.2782,
0.3731

49.1276, 0.2603,
0.4484

57.4660, 0.2864,
0.3600

48.7087, 0.2624,
0.4635

60.0834, 0.2953,
0.3479

48.6379, 0.2629,
0.4664

63.1066, 0.3049,
0.3370

■ 66.5527, 0.3147,
0.3272

■ 70.4379, 0.3245,
0.3184

■ 74.0935, 0.3317,
0.3105

■ 74.5807, 0.3257,
0.3023

Harmonies

Analogous

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



51.8552, 0.3267, 0.4431



51.8552, 0.2657, 0.4020



51.8552, 0.2203, 0.3359

Triad

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



51.8552, 0.2657, 0.4020



51.8552, 0.2353, 0.2288



51.8552, 0.4407, 0.3606

Complementary

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



51.8552, 0.2657, 0.4020



22.9708, 0.4160, 0.2706

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.



51.8552, 0.4122, 0.3117



51.8552, 0.2657, 0.4020



51.8552, 0.2880, 0.2397

Square

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



51.8552, 0.2657, 0.4020



51.8552, 0.2050, 0.2401



51.8552, 0.3537, 0.2691



51.8552, 0.4299, 0.4078

Rectangle

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



51.8552, 0.2657, 0.4020



51.8552, 0.2036, 0.2940



51.8552, 0.3537, 0.2691



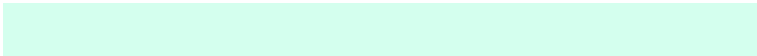
51.8552, 0.4355, 0.3441

Sweetspot

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



51.8573, 0.2657, 0.4020



91.6230, 0.2961, 0.3469



53.2294, 0.3354, 0.4979



19.4256, 0.2943, 0.3493



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.



51.8573, 0.2657, 0.4020



76.5353, 0.2612, 0.4216



48.0466, 0.2372, 0.3114



14.0203, 0.3035, 0.3384



30.0452, 0.2623, 0.4643



1.8283, 0.2551, 0.4382

Inverse Universe

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



22.9708, 0.4160, 0.2706



28.6222, 0.4529, 0.2637



24.0789, 0.4803, 0.3438



12.5019, 0.3229, 0.3198



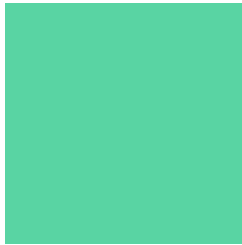
9.0586, 0.5372, 0.2733



0.5625, 0.4914, 0.2481

Previews

White Background



This preview shows how the Yxy color 51.8552, 0.2657, 0.4020 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 51.8552, 0.2657, 0.4020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

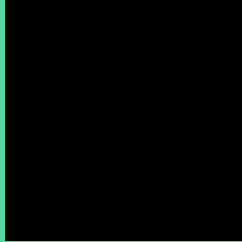
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

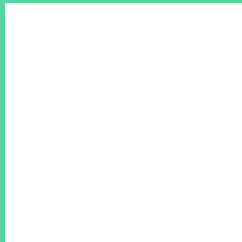
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.8552, 0.2657, 0.4020

Background



This preview shows how black text looks on a background with the Yxy color 51.8552, 0.2657, 0.4020.



This preview shows how white text looks on a background with the Yxy color 51.8552, 0.2657, 0.4020.

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

51.8552, 0.2657, 0.4020

Protanopia

51.0797, 0.3524, 0.3754

Deuteranopia

50.7675, 0.3525, 0.3447



Tritanopia

51.5943, 0.2421, 0.3060

Trichromacy



Original Color

51.8552, 0.2657, 0.4020



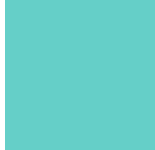
Protanomaly

49.8064, 0.3132, 0.3855



Deuteranomaly

49.3650, 0.3127, 0.3640



Tritanomaly

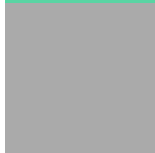
51.5625, 0.2503, 0.3387

Monochromacy



Original Color

51.8552, 0.2657, 0.4020



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

43.1507, 0.2906, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8552, 0.2657, 0.4020 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, 212, 163)` looks like.

```
.text, #text, p{  
    color:rgb(89, 212, 163)  
}
```

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, 212, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 212, 163) }
```

Border

The CSS property to change the border of an element to Yxy 51.8552, 0.2657, 0.4020 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, 212, 163) }
```

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

```
.border{ border-color:rgb(89, 212, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 212, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 212, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 212, 163);  
box-shadow:4px 4px 4px 4px rgb(89, 212,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8552, 0.2657, 0.4020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 212, 163) }
```

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

```
.background{ background-color: rgb(89, 212,  
163) }
```

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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