

Converting Colors

$Yxy(55.0715, 0.2648, 0.4045)$

Have a look what the booklet for
Yxy(55.0715, 0.2648, 0.4045)
contains.

Yxy(54.9707, 0.2651, 0.4050)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(54.9707, 0.2651, 0.4050)

Conversions

Conversions Part 1

Format	Color
Hex	58DAA6
RGB	88, 218, 166
RGB Percent	35%, 85%, 65%
CMY	0.6546, 0.1451, 0.3491
CMYK	0.60, 0.00, 0.24, 0.15
HSL	156°, 64%, 60%
HSV	156°, 60%, 85%
XYZ	35.9821, 54.9707, 44.7774
YIQ	173.2020, -60.7880, -43.7320

Conversions

Conversions Part 2

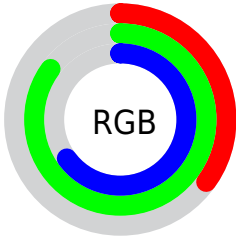
Format	Color
RYB	88, 169, 218
Decimal	5823142
CIELab	79.02, -47.88, 15.11
CIELCh	79, 50.211, 162.491
Yxy	54.9707, 0.2651, 0.4050
Android (android.graphics.Color)	4284013222 (0xFF58DAA6)
YUV	173.2020, -3.5506, -74.7222
Hunter-Lab	74.1422, -43.1208, 16.0920

Details

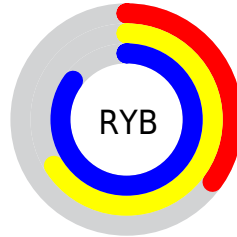
The Yxy color **54.9707, 0.2651, 0.4050** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **23.7938, 0.4201, 0.2691**, and the grayscale version is **41.9494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0364, 0.2709, 0.3686**, and **27.0556, 0.2520, 0.4273** is the 20% darker color. If you saturate the color by 10%, you get **53.7528, 0.2617, 0.4205**, and if you desaturate by 10%, it is **56.5328, 0.2703, 0.3899**.

Distribution



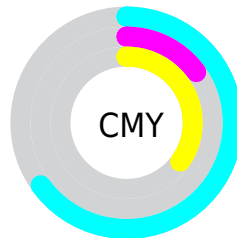
- Red (35%)
- Green (85%)
- Blue (65%)



- Red (35%)
- Yellow (66%)
- Blue (85%)



- Cyan (60%)
- Magenta (0%)
- Yellow (24%)
- Black (15%)




- Cyan (65%)
- Magenta (15%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.9707, 0.2651, 0.4050 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 54.9707, 0.2651, 0.4050 by changing the saturation by 10% instead.


 54.9707, 0.2651,
0.4050

 54.9707, 0.2651,
0.4050


405.8009, 0.2891,
0.3662


 39.3783, 0.2591,
0.4149


 97.4980, 0.2738,
0.3907


 27.0541, 0.2514,
0.4277


 125.2017, 0.2771,
0.3854

 17.6139, 0.2411,
0.4450


 157.7113, 0.2799,
0.3810

 10.6731, 0.2268,
0.4694

 195.4111, 0.2822,
0.3771

 5.8475, 0.2057,
0.5063

238.6855, 0.2843,
0.3738

 2.7526, 0.1718,
0.5677

287.9191, 0.2861,

 1.0040, 0.0000,

0.3710

0.9694

343.4960, 0.2877,
0.3684

0.0000, 0.0000,
0.0000

54.9707, 0.2651,
0.4050

54.9707, 0.2651,
0.4050

53.7528, 0.2617,
0.4205

56.5328, 0.2703,
0.3899

52.8428, 0.2602,
0.4362

58.4587, 0.2771,
0.3756

52.2077, 0.2608,
0.4518

60.7740, 0.2851,
0.3622

51.7881, 0.2631,
0.4669

63.5001, 0.2939,
0.3499

51.7729, 0.2632,
0.4675

66.6571, 0.3034,
0.3387

70.2634, 0.3131,
0.3286

74.3365, 0.3230,
0.3196

77.4472, 0.3273,
0.3114

77.9665, 0.3214,
0.3029

Harmonies

Analogous

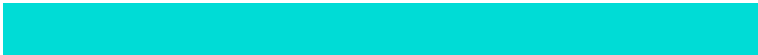
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.9707, 0.3276, 0.4468



54.9707, 0.2651, 0.4050



54.9707, 0.2184, 0.3369

Triad

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



54.9707, 0.2651, 0.4050



54.9707, 0.2328, 0.2265



54.9707, 0.4440, 0.3603

Complementary

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



54.9707, 0.2651, 0.4050



23.7938, 0.4201, 0.2691

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.



54.9707, 0.4143, 0.3105



54.9707, 0.2651, 0.4050



54.9707, 0.2864, 0.2374

Square

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



54.9707, 0.2651, 0.4050



54.9707, 0.2022, 0.2382



54.9707, 0.3538, 0.2672



54.9707, 0.4333, 0.4089

Rectangle

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



54.9707, 0.2651, 0.4050



54.9707, 0.2012, 0.2937



54.9707, 0.3538, 0.2672



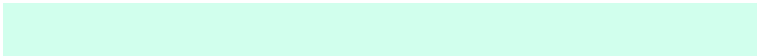
54.9707, 0.4385, 0.3435

Sweetspot

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



54.9729, 0.2651, 0.4050



91.1822, 0.2953, 0.3482



56.6175, 0.3371, 0.5018



19.2535, 0.2926, 0.3517



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.



54.9729, 0.2651, 0.4050



76.2308, 0.2610, 0.4253



51.8494, 0.2364, 0.3139



14.7367, 0.3035, 0.3385



31.0396, 0.2626, 0.4653



2.0277, 0.2557, 0.4405

Inverse Universe

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



23.7938, 0.4201, 0.2691



27.8593, 0.4585, 0.2627



24.5166, 0.4894, 0.3416



13.1375, 0.3229, 0.3197



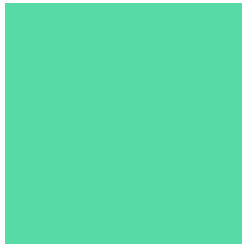
9.3650, 0.5365, 0.2729



0.6234, 0.4934, 0.2492

Previews

White Background



This preview shows how the Yxy color 54.9707, 0.2651, 0.4050 looks on a white background.

Color Contrast Check

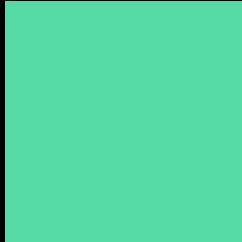
Large Text (above 18pt) WCAG AA × Fail

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 54.9707, 0.2651, 0.4050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

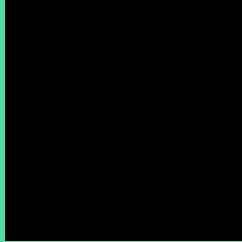
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.9707, 0.2651, 0.4050

Background



This preview shows how black text looks on a background with the Yxy color 54.9707, 0.2651, 0.4050.



This preview shows how white text looks on a background with the Yxy color 54.9707, 0.2651, 0.4050.

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

54.9707, 0.2651, 0.4050

Protanopia

54.0385, 0.3538, 0.3780

Deuteranopia

53.9299, 0.3532, 0.3455



Tritanopia

54.8904, 0.2413, 0.3065

Trichromacy



Original Color

54.9707, 0.2651, 0.4050



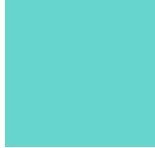
Protanomaly

52.9670, 0.3136, 0.3897



Deuteranomaly

52.1747, 0.3133, 0.3659



Tritanomaly

54.7630, 0.2493, 0.3398

Monochromacy



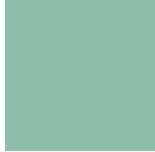
Original Color

54.9707, 0.2651, 0.4050



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

45.0483, 0.2895, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.9707, 0.2651, 0.4050 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(88, 218, 166)` looks like.

```
.text, #text, p{  
    color:rgb(88, 218, 166)  
}
```

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(88, 218, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 218, 166) }
```

Border

The CSS property to change the border of an element to Yxy 54.9707, 0.2651, 0.4050 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(88, 218, 166) }
```

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

```
.border{ border-color:rgb(88, 218, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 218, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 218, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 218, 166);  
box-shadow:4px 4px 4px 4px rgb(88, 218,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 54.9707, 0.2651, 0.4050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 218, 166) }
```

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

```
.background{ background-color: rgb(88, 218,  
166) }
```

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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