

Converting Colors

$Yxy(44.8434, 0.2647, 0.3896)$

Have a look what the booklet for
Yxy(44.8434, 0.2647, 0.3896)
contains.

Yxy(45.0152, 0.2648, 0.3899)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.0152, 0.2648, 0.3899)

Conversions

Conversions Part 1

Format	Color
Hex	59C69F
RGB	89, 198, 159
RGB Percent	35%, 78%, 62%
CMY	0.6509, 0.2235, 0.3766
CMYK	0.55, 0.00, 0.20, 0.22
HSL	159°, 49%, 56%
HSV	159°, 55%, 78%
XYZ	30.5720, 45.0152, 39.8660
YIQ	160.9630, -52.4450, -35.2370

Conversions

Conversions Part 2

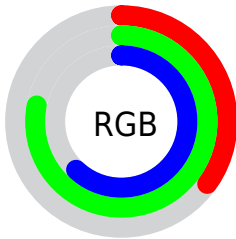
Format	Color
RYB	89, 155, 198
Decimal	5883551
CIELab	72.90, -40.62, 10.20
CIELCh	73, 41.876, 165.903
Yxy	45.0152, 0.2648, 0.3899
Android (android.graphics.Color)	4284073631 (0xFF59C69F)
YUV	160.9630, -0.9678, -63.1116
Hunter-Lab	67.0934, -36.0774, 11.7360

Details

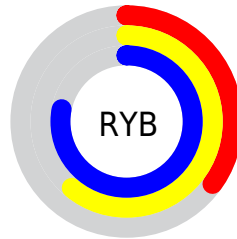
The Yxy color **45.0152, 0.2648, 0.3899** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **20.7161, 0.4141, 0.2788**, and the grayscale version is **35.6488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5781, 0.2738, 0.3772**, and **20.8562, 0.2497, 0.4076** is the 20% darker color. If you saturate the color by 10%, you get **43.9261, 0.2601, 0.4034**, and if you desaturate by 10%, it is **46.3854, 0.2712, 0.3769**.

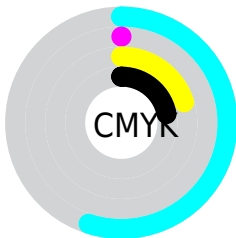
Distribution



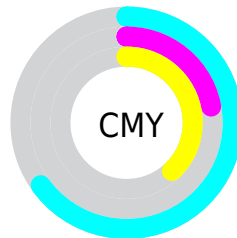
- Red (35%)
- Green (78%)
- Blue (62%)



- Red (35%)
- Yellow (61%)
- Blue (78%)



- Cyan (55%)
- Magenta (0%)
- Yellow (20%)
- Black (22%)





- Cyan (65%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0152, 0.2648, 0.3899 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 45.0152, 0.2648, 0.3899 by changing the saturation by 10% instead.


 45.0152, 0.2648,
0.3899


 45.0152, 0.2648,
0.3899


366.8351, 0.2894,
0.3581


 31.4694, 0.2585,
0.3983

 82.7432, 0.2739,
0.3780

 20.9565, 0.2503,
0.4093


 107.6942, 0.2772,
0.3737

 13.0922, 0.2391,
0.4244


 137.2158, 0.2801,
0.3700

 7.4921, 0.2233,
0.4465

 171.6922, 0.2825,
0.3669

 3.7717, 0.1991,
0.4814

211.5080, 0.2846,
0.3643

 1.5467, 0.1329,
0.5614

257.0475, 0.2864,

 0.3213, 0.0000,

0.3619

1.0000

308.6950, 0.2880,
0.3599

0.0000, 0.0000,
0.0000

45.0152, 0.2648,
0.3899

45.0152, 0.2648,
0.3899

43.9261, 0.2601,
0.4034

46.3854, 0.2712,
0.3769

43.0909, 0.2573,
0.4172

48.0508, 0.2789,
0.3647

42.4861, 0.2565,
0.4310

50.0310, 0.2878,
0.3533

42.0808, 0.2577,
0.4446

52.3421, 0.2974,
0.3429

41.9239, 0.2587,
0.4513

54.9992, 0.3075,
0.3334

■ 58.0166, 0.3179,
0.3249

■ 61.4077, 0.3283,
0.3173

■ 65.1849, 0.3386,
0.3106

■ 66.9661, 0.3391,
0.3039

Harmonies

Analogous

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



45.0152, 0.3203, 0.4306



45.0152, 0.2648, 0.3899



45.0152, 0.2246, 0.3297

Triad

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



45.0152, 0.2648, 0.3899



45.0152, 0.2454, 0.2364



45.0152, 0.4307, 0.3637

Complementary

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



45.0152, 0.2648, 0.3899



20.7161, 0.4141, 0.2788

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.



45.0152, 0.4079, 0.3180



45.0152, 0.2648, 0.3899



45.0152, 0.2960, 0.2483

Square

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



45.0152, 0.2648, 0.3899



45.0152, 0.2148, 0.2451



45.0152, 0.3565, 0.2773



45.0152, 0.4179, 0.4064

Rectangle

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



45.0152, 0.2648, 0.3899



45.0152, 0.2104, 0.2924



45.0152, 0.3565, 0.2773



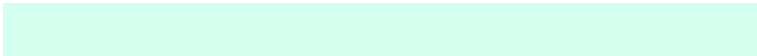
45.0152, 0.4270, 0.3483

Sweetspot

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



45.0170, 0.2648, 0.3899



91.7252, 0.2952, 0.3451



45.7772, 0.3321, 0.4897



19.4498, 0.2932, 0.3472



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.



45.0170, 0.2648, 0.3899



77.4595, 0.2594, 0.4061



40.2651, 0.2390, 0.3070



12.0006, 0.3031, 0.3374



27.2803, 0.2582, 0.4495



1.3052, 0.2504, 0.4213

Inverse Universe

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



20.7161, 0.4141, 0.2788



30.1338, 0.4502, 0.2720



22.5403, 0.4632, 0.3480



10.6987, 0.3234, 0.3208



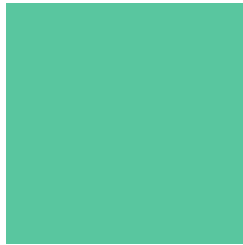
8.1177, 0.5522, 0.2816



0.3982, 0.4941, 0.2496

Previews

White Background



This preview shows how the Yxy color 45.0152, 0.2648, 0.3899 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 45.0152, 0.2648, 0.3899 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 45.0152, 0.2648, 0.3899

Background



This preview shows how black text looks on a background with the Yxy color 45.0152, 0.2648, 0.3899.

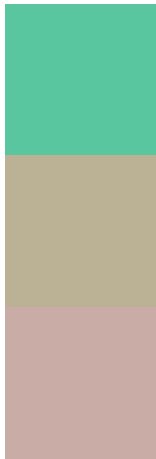


This preview shows how white text looks on a background with the Yxy color 45.0152, 0.2648, 0.3899.

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

45.0152, 0.2648, 0.3899

Protanopia

44.1790, 0.3453, 0.3664

Deuteranopia

44.5010, 0.3445, 0.3380



Tritanopia

44.7097, 0.2437, 0.3060

Trichromacy



Original Color

45.0152, 0.2648, 0.3899



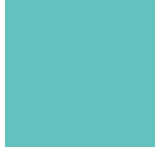
Protanomaly

43.5771, 0.3089, 0.3754



Deuteranomaly

43.1657, 0.3090, 0.3544



Tritanomaly

44.9539, 0.2512, 0.3347

Monochromacy



Original Color

45.0152, 0.2648, 0.3899



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

37.9611, 0.2904, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0152, 0.2648, 0.3899 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, 198, 159)` looks like.

```
.text, #text, p{  
    color:rgb(89, 198, 159)  
}
```

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, 198, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 198, 159) }
```

Border

The CSS property to change the border of an element to Yxy 45.0152, 0.2648, 0.3899 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, 198, 159) }
```

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

```
.border{ border-color:rgb(89, 198, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 198, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 198, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 198, 159);  
box-shadow:4px 4px 4px 4px rgb(89, 198,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0152, 0.2648, 0.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 198, 159) }
```

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

```
.background{ background-color: rgb(89, 198,  
159) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor