

Converting Colors

$Yxy(45.7244, 0.2578, 0.4182)$

Have a look what the booklet for
Yxy(45.7244, 0.2578, 0.4182)
contains.

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Color

Yxy(45.5801, 0.2579, 0.4180)

Conversions

Conversions Part 1

Format	Color
Hex	34CB94
RGB	52, 203, 148
RGB Percent	20%, 80%, 58%
CMY	0.7957, 0.2039, 0.4195
CMYK	0.74, 0.00, 0.27, 0.20
HSL	158°, 59%, 50%
HSV	158°, 74%, 80%
XYZ	28.1223, 45.5801, 35.3409
YIQ	151.5810, -72.3410, -49.1170

Conversions

Conversions Part 2

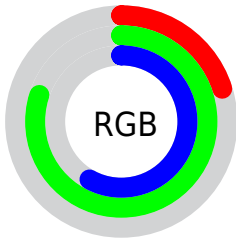
Format	Color
RYB	52, 144, 203
Decimal	3459988
CIELab	73.27, -51.62, 16.47
CIELCh	73, 54.182, 162.303
Yxy	45.5801, 0.2579, 0.4180
Android (android.graphics.Color)	4281650068 (0xFF34CB94)
YUV	151.5810, -1.7654, -87.3325
Hunter-Lab	67.5130, -43.7944, 16.2227

Details

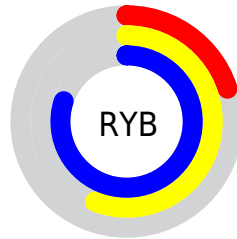
The Yxy color **45.5801, 0.2579, 0.4180** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **16.2240, 0.4729, 0.2691**, and the grayscale version is **31.2539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7773, 0.2677, 0.3942**, and **22.0429, 0.2566, 0.4437** is the 20% darker color. If you saturate the color by 10%, you get **44.9263, 0.2570, 0.4321**, and if you desaturate by 10%, it is **46.4841, 0.2608, 0.4039**.

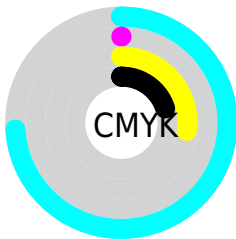
Distribution



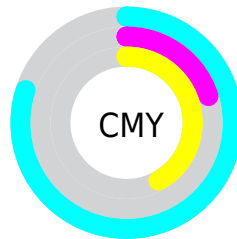
- Red (20%)
- Green (80%)
- Blue (58%)



- Red (20%)
- Yellow (56%)
- Blue (80%)



- Cyan (74%)
- Magenta (0%)
- Yellow (27%)
- Black (20%)





- Cyan (80%)
- Magenta (20%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5801, 0.2579, 0.4180 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 45.5801, 0.2579, 0.4180 by changing the saturation by 10% instead.

 45.5801, 0.2579,
0.4180

 45.5801, 0.2579,
0.4180


369.1179, 0.2865,
0.3709


 31.9146, 0.2504,
0.4306


 83.5902, 0.2686,
0.4002

 21.2963, 0.2406,
0.4473


 108.7036, 0.2725,
0.3938


 13.3407, 0.2272,
0.4705


 138.4018, 0.2758,
0.3884

 7.6636, 0.2079,
0.5044

 173.0692, 0.2785,
0.3838

 3.8805, 0.1782,
0.5583

 213.0900, 0.2809,
0.3799

 1.6069, 0.0623,
0.7332

258.8489, 0.2830,

 0.3623, 0.0000,

0.3765

1.0000

310.7300, 0.2849,
0.3735

■ 0.0000, 0.0000,
0.0000

■ 45.5801, 0.2579,
0.4180

■ 45.5801, 0.2579,
0.4180

■ 44.9263, 0.2570,
0.4321

■ 46.4841, 0.2608,
0.4039

■ 44.4849, 0.2582,
0.4460

■ 47.6595, 0.2655,
0.3902

■ 44.2965, 0.2594,
0.4538

■ 49.1311, 0.2719,
0.3770

■ 50.9197, 0.2797,
0.3646

■ 53.0437, 0.2886,
0.3530

■ 55.5205, 0.2982,
0.3424

■ 58.3661, 0.3083,
0.3328

■ 61.5954, 0.3186,
0.3242

■ 65.2227, 0.3289,
0.3166

Harmonies

Analogous

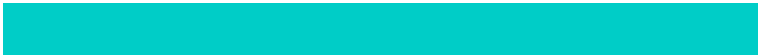
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.5801, 0.3286, 0.4661



45.5801, 0.2579, 0.4180



45.5801, 0.2058, 0.3376

Triad

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



45.5801, 0.2579, 0.4180



45.5801, 0.2219, 0.2136



45.5801, 0.4630, 0.3619

Complementary

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



45.5801, 0.2579, 0.4180



16.2240, 0.4729, 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.



45.5801, 0.4291, 0.3067



45.5801, 0.2579, 0.4180



45.5801, 0.2817, 0.2259

Square

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



45.5801, 0.2579, 0.4180



45.5801, 0.1883, 0.2259



45.5801, 0.3589, 0.2588



45.5801, 0.4496, 0.4171

Rectangle

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



45.5801, 0.2579, 0.4180



45.5801, 0.1870, 0.2877



45.5801, 0.3589, 0.2588



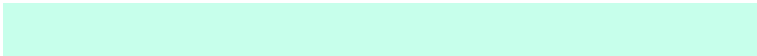
45.5801, 0.4570, 0.3431

Sweetspot

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



45.5819, 0.2579, 0.4180



89.6213, 0.2905, 0.3508



46.1116, 0.3309, 0.5432



18.9540, 0.2879, 0.3538



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.



45.5819, 0.2579, 0.4180



74.7584, 0.2575, 0.4403



38.8606, 0.2232, 0.2979



12.6550, 0.3031, 0.3376



28.2091, 0.2589, 0.4519



1.4695, 0.2514, 0.4250

Inverse Universe

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



16.2240, 0.4729, 0.2691



23.2347, 0.5246, 0.2738



17.6079, 0.5473, 0.3494



11.2801, 0.3234, 0.3206



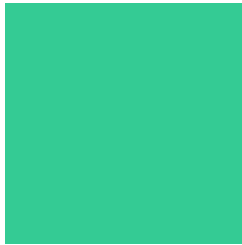
8.4103, 0.5501, 0.2804



0.4484, 0.4961, 0.2507

Previews

White Background



This preview shows how the Yxy color 45.5801, 0.2579, 0.4180 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 45.5801, 0.2579, 0.4180 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 45.5801, 0.2579, 0.4180

Background



This preview shows how black text looks on a background with the Yxy color 45.5801, 0.2579, 0.4180.

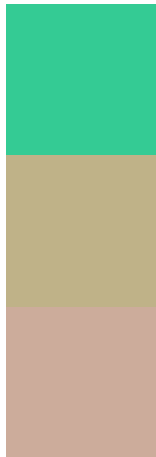


This preview shows how white text looks on a background with the Yxy color 45.5801, 0.2579, 0.4180.

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

45.5801, 0.2579, 0.4180

Protanopia

44.6947, 0.3600, 0.3844

Deuteranopia

44.7090, 0.3574, 0.3506



Tritanopia

45.5272, 0.2335, 0.3058

Trichromacy



Original Color

45.5801, 0.2579, 0.4180



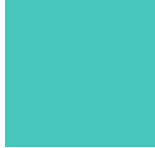
Protanomaly

43.0095, 0.3094, 0.3994



Deuteranomaly

42.5235, 0.3081, 0.3744



Tritanomaly

45.3586, 0.2417, 0.3439

Monochromacy



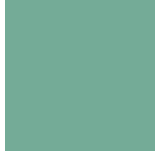
Original Color

45.5801, 0.2579, 0.4180



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

35.0732, 0.2819, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5801, 0.2579, 0.4180 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(52, 203, 148)` looks like.

```
.text, #text, p{  
    color:rgb(52, 203, 148)  
}
```

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(52, 203, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 203, 148) }
```

Border

The CSS property to change the border of an element to Yxy 45.5801, 0.2579, 0.4180 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(52, 203, 148) }
```

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

```
.border{ border-color:rgb(52, 203, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 203, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 203, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 203, 148);  
box-shadow:4px 4px 4px 4px rgb(52, 203,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5801, 0.2579, 0.4180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 203, 148) }
```

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

```
.background{ background-color: rgb(52, 203,  
148) }
```

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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