

Converting Colors

$Yxy(58.6993, 0.2503, 0.4021)$

Have a look what the booklet for
Yxy(58.6993, 0.2503, 0.4021)
contains.

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Color

Yxy(58.7168, 0.2500, 0.4014)

Conversions

Conversions Part 1

Format	Color
Hex	2FE3B1
RGB	47, 227, 177
RGB Percent	18%, 89%, 69%
CMY	0.8163, 0.1098, 0.3059
CMYK	0.79, 0.00, 0.22, 0.11
HSL	163°, 76%, 54%
HSV	163°, 79%, 89%
XYZ	36.5700, 58.7168, 50.9932
YIQ	167.4800, -91.2300, -53.7100

Conversions

Conversions Part 2

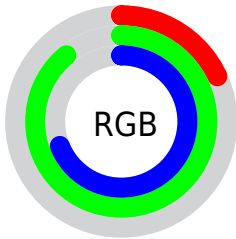
Format	Color
RYB	47, 152, 227
Decimal	3138481
CIELab	81.14, -55.03, 12.16
CIELCh	81, 56.353, 167.539
Yxy	58.7168, 0.2500, 0.4014
Android (android.graphics.Color)	4281328561 (0xFF2FE3B1)
YUV	167.4800, 4.6934, -105.6610
Hunter-Lab	76.6269, -48.9083, 14.1829

Details

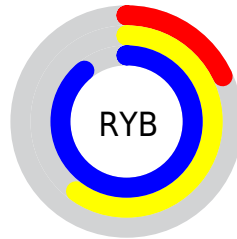
The Yxy color **58.7168, 0.2500, 0.4014** is a light color, and the websafe version is hex **00CC99**. The color can be described as light washed spring green. A complement of this color would be **19.2131, 0.5185, 0.2859**, and the grayscale version is **38.8770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6141, 0.2549, 0.3548**, and **30.2047, 0.2496, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **58.0690, 0.2495, 0.4119**, and if you desaturate by 10%, it is **59.6607, 0.2525, 0.3908**.

Distribution



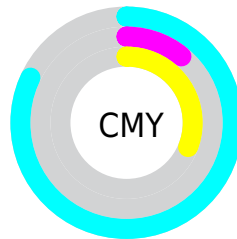
- Red (18%)
- Green (89%)
- Blue (69%)



- Red (18%)
- Yellow (60%)
- Blue (89%)



- Cyan (79%)
- Magenta (0%)
- Yellow (22%)
- Black (11%)



- Cyan (82%)
- Magenta (11%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.7168, 0.2500, 0.4014 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 58.7168, 0.2500, 0.4014 by changing the saturation by 10% instead.


 58.7168, 0.2500,
0.4014

 58.7168, 0.2500,
0.4014


419.8516, 0.2807,
0.3651


 42.3852, 0.2426,
0.4105


 102.9660, 0.2610,
0.3882


 29.4030, 0.2332,
0.4221


 131.6523, 0.2652,
0.3832


 19.3859, 0.2209,
0.4376


 165.2256, 0.2687,
0.3790

 11.9495, 0.2043,
0.4590

 204.0704, 0.2718,
0.3754

 6.7093, 0.1808,
0.4907

 248.5710, 0.2745,
0.3723

 3.2810, 0.1454,
0.5413

299.1118, 0.2768,

 1.2801, 0.0000,

0.3696

0.7223

356.0772, 0.2789,
0.3672

■ 0.1257, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.7168, 0.2500,
0.4014

■ 58.7168, 0.2500,
0.4014

■ 58.0690, 0.2495,
0.4119

■ 59.6607, 0.2525,
0.3908


■ 57.6483, 0.2507,
0.4223


■ 60.9323, 0.2570,
0.3804


■ 57.6246, 0.2508,
0.4230


■ 62.5663, 0.2633,
0.3703


■ 64.5911, 0.2713,
0.3607

 67.0324, 0.2806,
0.3516

 69.9135, 0.2909,
0.3432

 73.2560, 0.3019,
0.3355

 77.0803, 0.3135,
0.3286

 81.4051, 0.3252,
0.3224

Harmonies

Analogous

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



58.7168, 0.3161, 0.4551



58.7168, 0.2500, 0.4014



58.7168, 0.2041, 0.3242

Triad

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



58.7168, 0.2500, 0.4014



58.7168, 0.2338, 0.2183



58.7168, 0.4576, 0.3709

Complementary

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



58.7168, 0.2500, 0.4014



19.2131, 0.5185, 0.2859

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.



58.7168, 0.4327, 0.3169



58.7168, 0.2500, 0.4014



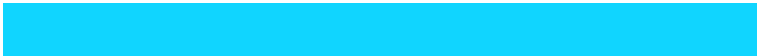
58.7168, 0.2954, 0.2339

Square

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



58.7168, 0.2500, 0.4014



58.7168, 0.1967, 0.2261



58.7168, 0.3700, 0.2688



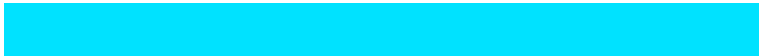
58.7168, 0.4379, 0.4228

Rectangle

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



58.7168, 0.2500, 0.4014



58.7168, 0.1891, 0.2791



58.7168, 0.3700, 0.2688



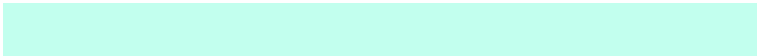
58.7168, 0.4544, 0.3527

Sweetspot

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



58.7191, 0.2500, 0.4014



89.1364, 0.2858, 0.3472



57.7390, 0.3210, 0.5615



18.7982, 0.2822, 0.3502



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.



58.7191, 0.2500, 0.4014



75.2234, 0.2502, 0.4184



42.1023, 0.2141, 0.2731



16.2645, 0.3018, 0.3356



33.6235, 0.2504, 0.4214



2.5002, 0.2462, 0.4062

Inverse Universe

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



19.2131, 0.5185, 0.2859



22.1208, 0.5745, 0.2967



23.1720, 0.5552, 0.3623



14.4334, 0.3249, 0.3225



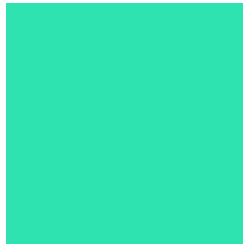
9.7507, 0.5834, 0.2987



0.7359, 0.5417, 0.2758

Previews

White Background



This preview shows how the Yxy color 58.7168, 0.2500, 0.4014 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 58.7168, 0.2500, 0.4014 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

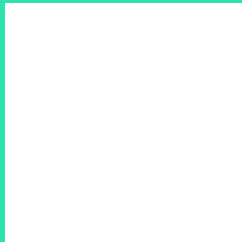
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.7168, 0.2500, 0.4014

Background



This preview shows how black text looks on a background with the Yxy color 58.7168, 0.2500, 0.4014.



This preview shows how white text looks on a background with the Yxy color 58.7168, 0.2500, 0.4014.

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

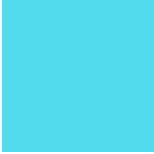
58.7168, 0.2500, 0.4014

Protanopia

57.3401, 0.3497, 0.3721

Deuteranopia

57.6503, 0.3454, 0.3382



Tritanopia

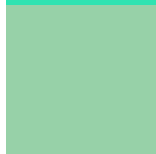
58.5713, 0.2299, 0.3054

Trichromacy



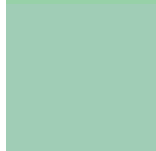
Original Color

58.7168, 0.2500, 0.4014



Protanomaly

55.0074, 0.2980, 0.3845



Deuteranomaly

54.5136, 0.2951, 0.3593



Tritanomaly

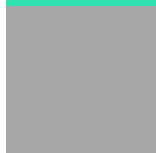
58.4141, 0.2365, 0.3383

Monochromacy



Original Color

58.7168, 0.2500, 0.4014



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

43.5464, 0.2754, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7168, 0.2500, 0.4014 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(47, 227, 177)` looks like.

```
.text, #text, p{  
  color:rgb(47, 227, 177)  
}
```

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(47, 227, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 227, 177) }
```

Border

The CSS property to change the border of an element to Yxy 58.7168, 0.2500, 0.4014 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(47, 227, 177) }
```

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

```
.border{ border-color:rgb(47, 227, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 227, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 227, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 227, 177);  
box-shadow:4px 4px 4px 4px rgb(47, 227,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7168, 0.2500, 0.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 227, 177) }
```

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

```
.background{ background-color: rgb(47, 227,  
177) }
```

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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