

Converting Colors

$Yxy(58.7558, 0.2629, 0.3998)$

Have a look what the booklet for
Yxy(58.7558, 0.2629, 0.3998)
contains.

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Color

Yxy(58.5410, 0.2631, 0.4000)

Conversions

Conversions Part 1

Format	Color
Hex	5AE0AE
RGB	90, 224, 174
RGB Percent	35%, 88%, 68%
CMY	0.6473, 0.1215, 0.3177
CMYK	0.60, 0.00, 0.22, 0.12
HSL	158°, 68%, 62%
HSV	158°, 60%, 88%
XYZ	38.5053, 58.5410, 49.3062
YIQ	178.2340, -63.8140, -43.9580

Conversions

Conversions Part 2

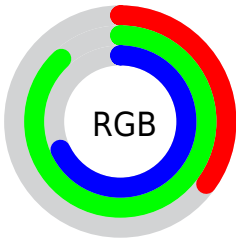
Format	Color
RYB	90, 172, 224
Decimal	5955758
CIELab	81.04, -48.30, 13.72
CIELCh	81, 50.214, 164.138
Yxy	58.5410, 0.2631, 0.4000
Android (android.graphics.Color)	4284145838 (0xFF5AE0AE)
YUV	178.2340, -2.0874, -77.3812
Hunter-Lab	76.5121, -44.0646, 15.3506

Details

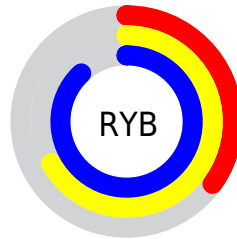
The Yxy color **58.5410, 0.2631, 0.4000** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **25.0415, 0.4265, 0.2730**, and the grayscale version is **44.6783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8125, 0.2680, 0.3576**, and **29.4104, 0.2499, 0.4196** is the 20% darker color. If you saturate the color by 10%, you get **57.2694, 0.2595, 0.4144**, and if you desaturate by 10%, it is **60.1758, 0.2685, 0.3860**.

Distribution



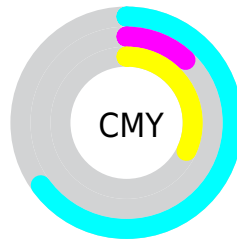
- Red (35%)
- Green (88%)
- Blue (68%)



- Red (35%)
- Yellow (67%)
- Blue (88%)



- Cyan (60%)
- Magenta (0%)
- Yellow (22%)
- Black (12%)





- Cyan (65%)
- Magenta (12%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5410, 0.2631, 0.4000 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 58.5410, 0.2631, 0.4000 by changing the saturation by 10% instead.


 58.5410, 0.2631,
0.4000


 58.5410, 0.2631,
0.4000


419.1988, 0.2876,
0.3643


 42.2437, 0.2571,
0.4090


 102.7103, 0.2719,
0.3870


 29.2922, 0.2494,
0.4205


 131.3510, 0.2753,
0.3821

 19.3020, 0.2393,
0.4359


 164.8751, 0.2781,
0.3780

 11.8887, 0.2255,
0.4573

 203.6669, 0.2806,
0.3744

 6.6679, 0.2055,
0.4891

248.1108, 0.2827,
0.3714

 3.2553, 0.1744,
0.5407

298.5911, 0.2845,

 1.2664, 0.0000,

0.3687

0.7734

355.4923, 0.2862,
0.3664

■ 0.1150, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.5410, 0.2631,
0.4000

■ 58.5410, 0.2631,
0.4000

■ 57.2694, 0.2595,
0.4144

■ 60.1758, 0.2685,
0.3860

■ 56.3222, 0.2579,
0.4290


■ 62.1949, 0.2755,
0.3727


■ 55.6639, 0.2583,
0.4435

■ 64.6255, 0.2838,
0.3603


■ 55.2298, 0.2605,
0.4576


■ 67.4906, 0.2929,
0.3488


 55.2241, 0.2605,
0.4578

 70.8114, 0.3027,
0.3383

 74.6078, 0.3129,
0.3289

 78.8982, 0.3231,
0.3205

 80.9197, 0.3234,
0.3125

 81.4303, 0.3179,
0.3044

Harmonies

Analogous

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



58.5410, 0.3240, 0.4430



58.5410, 0.2631, 0.4000



58.5410, 0.2184, 0.3331

Triad

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



58.5410, 0.2631, 0.4000



58.5410, 0.2367, 0.2283



58.5410, 0.4418, 0.3627

Complementary

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



58.5410, 0.2631, 0.4000



25.0415, 0.4265, 0.2730

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.



58.5410, 0.4147, 0.3136



58.5410, 0.2631, 0.4000



58.5410, 0.2904, 0.2401

Square

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



58.5410, 0.2631, 0.4000



58.5410, 0.2052, 0.2386



58.5410, 0.3567, 0.2704



58.5410, 0.4293, 0.4100

Rectangle

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



58.5410, 0.2631, 0.4000



58.5410, 0.2024, 0.2914



58.5410, 0.3567, 0.2704



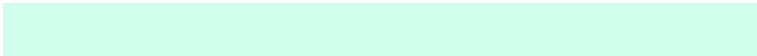
58.5410, 0.4371, 0.3461

Sweetspot

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



58.5433, 0.2631, 0.4000



91.2556, 0.2946, 0.3469



59.7462, 0.3340, 0.5046



19.2715, 0.2918, 0.3501



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.



58.5433, 0.2631, 0.4000



76.4412, 0.2589, 0.4183



52.8444, 0.2347, 0.3077



15.4811, 0.3031, 0.3379



32.1635, 0.2599, 0.4556



2.2466, 0.2538, 0.4338

Inverse Universe

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



25.0415, 0.4265, 0.2730



27.7080, 0.4660, 0.2676



26.8060, 0.4874, 0.3466



13.7847, 0.3234, 0.3203



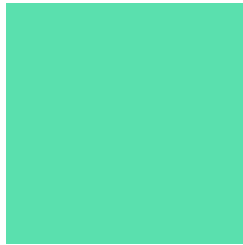
9.6135, 0.5478, 0.2791



0.6833, 0.5057, 0.2560

Previews

White Background



This preview shows how the Yxy color 58.5410, 0.2631, 0.4000 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 58.5410, 0.2631, 0.4000 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 58.5410, 0.2631, 0.4000

Background



This preview shows how black text looks on a background with the Yxy color 58.5410, 0.2631, 0.4000.

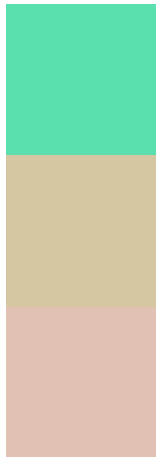


This preview shows how white text looks on a background with the Yxy color 58.5410, 0.2631, 0.4000.

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

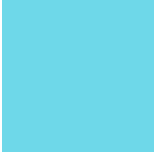
58.5410, 0.2631, 0.4000

Protanopia

57.4525, 0.3513, 0.3731

Deuteranopia

57.6449, 0.3495, 0.3428



Tritanopia

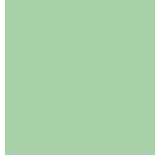
58.3099, 0.2406, 0.3070

Trichromacy



Original Color

58.5410, 0.2631, 0.4000



Protanomaly

56.1898, 0.3116, 0.3841



Deuteranomaly

55.7472, 0.3104, 0.3623



Tritanomaly

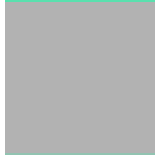
58.3001, 0.2483, 0.3382

Monochromacy



Original Color

58.5410, 0.2631, 0.4000



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

48.3155, 0.2880, 0.3540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5410, 0.2631, 0.4000 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(90, 224, 174)` looks like.

```
.text, #text, p{  
    color:rgb(90, 224, 174)  
}
```

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(90, 224, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 224, 174) }
```

Border

The CSS property to change the border of an element to Yxy 58.5410, 0.2631, 0.4000 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(90, 224, 174) }
```

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

```
.border{ border-color:rgb(90, 224, 174) }
```

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

Here you see how a box with a 4 pixel rgb(90, 224, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 224, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 224, 174);  
box-shadow:4px 4px 4px 4px rgb(90, 224,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5410, 0.2631, 0.4000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 224, 174) }
```

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

```
.background{ background-color: rgb(90, 224,  
174) }
```

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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