

Converting Colors

$Y_{xy}(58.1140, 0.2592, 0.3971)$

Have a look what the booklet for
Yxy(58.1140, 0.2592, 0.3971)
contains.

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Color

Yxy(58.2397, 0.2591, 0.3975)

Conversions

Conversions Part 1

Format	Color
Hex	52E0B0
RGB	82, 224, 176
RGB Percent	32%, 88%, 69%
CMY	0.6790, 0.1215, 0.3098
CMYK	0.63, 0.00, 0.21, 0.12
HSL	160°, 70%, 60%
HSV	160°, 63%, 88%
XYZ	37.9620, 58.2397, 50.3132
YIQ	176.0700, -69.2240, -45.0320

Conversions

Conversions Part 2

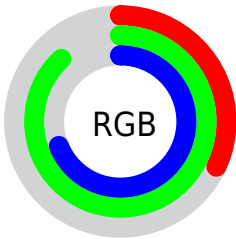
Format	Color
RYB	82, 167, 224
Decimal	5431472
CIELab	80.87, -49.33, 12.40
CIElCh	81, 50.866, 165.892
Yxy	58.2397, 0.2591, 0.3975
Android (android.graphics.Color)	4283621552 (0xFF52E0B0)
YUV	176.0700, -0.0345, -82.4994
Hunter-Lab	76.3149, -44.7583, 14.3315

Details

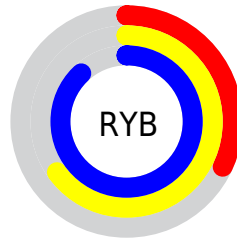
The Yxy color **58.2397, 0.2591, 0.3975** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **23.4713, 0.4451, 0.2766**, and the grayscale version is **43.4628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3659, 0.2644, 0.3555**, and **29.4353, 0.2493, 0.4175** is the 20% darker color. If you saturate the color by 10%, you get **57.1071, 0.2559, 0.4105**, and if you desaturate by 10%, it is **59.7211, 0.2642, 0.3848**.

Distribution



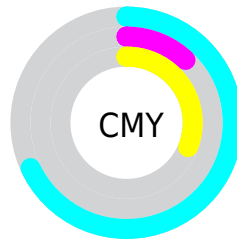
- Red (32%)
- Green (88%)
- Blue (69%)



- Red (32%)
- Yellow (65%)
- Blue (88%)



- Cyan (63%)
- Magenta (0%)
- Yellow (21%)
- Black (12%)




- Cyan (68%)
- Magenta (12%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.2397, 0.2591, 0.3975 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 58.2397, 0.2591, 0.3975 by changing the saturation by 10% instead.


 58.2397, 0.2591,
0.3975

 58.2397, 0.2591,
0.3975


418.0785, 0.2855,
0.3631

 42.0014, 0.2527,
0.4061

 102.2718, 0.2686,
0.3850

 29.1024, 0.2445,
0.4172


 130.8344, 0.2722,
0.3803

 19.1583, 0.2338,
0.4319


 164.2739, 0.2752,
0.3763

 11.7847, 0.2192,
0.4524

 202.9747, 0.2779,
0.3729

 6.5973, 0.1982,
0.4829

247.3212, 0.2801,
0.3699

 3.2115, 0.1658,
0.5320

297.6977, 0.2821,

 1.2431, 0.0000,

0.3674

0.7370

354.4887, 0.2839,
0.3651

■ 0.0965, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.2397, 0.2591,
0.3975

■ 58.2397, 0.2591,
0.3975

■ 57.1071, 0.2559,
0.4105

■ 59.7211, 0.2642,
0.3848

■ 56.2828, 0.2547,
0.4236


■ 61.5734, 0.2710,
0.3726


■ 55.7285, 0.2556,
0.4365


■ 63.8250, 0.2792,
0.3611


■ 55.4692, 0.2569,
0.4449


■ 66.4992, 0.2884,
0.3505

 69.6180, 0.2985,
0.3407

 73.2014, 0.3090,
0.3319

 77.2683, 0.3198,
0.3239

 80.6671, 0.3263,
0.3167

 81.1177, 0.3212,
0.3093

Harmonies

Analogous

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



58.2397, 0.3203, 0.4434



58.2397, 0.2591, 0.3975



58.2397, 0.2152, 0.3291

Triad

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



58.2397, 0.2591, 0.3975



58.2397, 0.2383, 0.2272



58.2397, 0.4440, 0.3659

Complementary

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



58.2397, 0.2591, 0.3975



23.4713, 0.4451, 0.2766

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.



58.2397, 0.4189, 0.3161



58.2397, 0.2591, 0.3975



58.2397, 0.2938, 0.2403

Square

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



58.2397, 0.2591, 0.3975



58.2397, 0.2050, 0.2361



58.2397, 0.3612, 0.2719



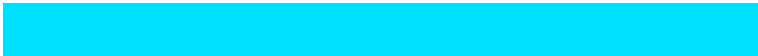
58.2397, 0.4290, 0.4135

Rectangle

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



58.2397, 0.2591, 0.3975



58.2397, 0.2001, 0.2875



58.2397, 0.3612, 0.2719



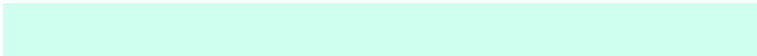
58.2397, 0.4401, 0.3491

Sweetspot

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



58.2420, 0.2591, 0.3975



90.9311, 0.2927, 0.3461



58.8014, 0.3308, 0.5169



19.2130, 0.2898, 0.3490



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.



58.2420, 0.2591, 0.3975



76.2161, 0.2553, 0.4146



49.7368, 0.2301, 0.2995



15.4895, 0.3027, 0.3370



32.3041, 0.2564, 0.4429



2.2556, 0.2509, 0.4232

Inverse Universe

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



23.4713, 0.4451, 0.2766



26.1423, 0.4897, 0.2740



26.1934, 0.4992, 0.3522



13.7766, 0.3239, 0.3211



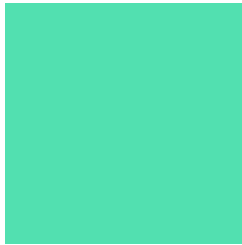
9.5445, 0.5615, 0.2867



0.6779, 0.5181, 0.2628

Previews

White Background



This preview shows how the Yxy color 58.2397, 0.2591, 0.3975 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 58.2397, 0.2591, 0.3975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

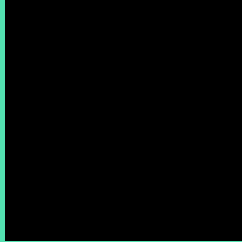
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

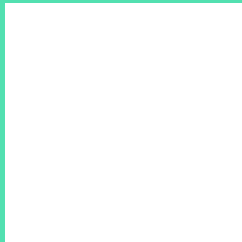
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.2397, 0.2591, 0.3975

Background



This preview shows how black text looks on a background with the Yxy color 58.2397, 0.2591, 0.3975.

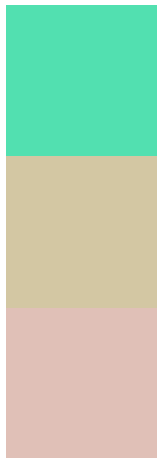


This preview shows how white text looks on a background with the Yxy color 58.2397, 0.2591, 0.3975.

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

58.2397, 0.2591, 0.3975

Protanopia

57.3401, 0.3497, 0.3721

Deuteranopia

56.9655, 0.3464, 0.3394



Tritanopia

57.9953, 0.2377, 0.3056

Trichromacy



Original Color

58.2397, 0.2591, 0.3975



Protanomaly

55.8314, 0.3073, 0.3818



Deuteranomaly

55.2517, 0.3052, 0.3600



Tritanomaly

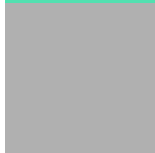
57.9539, 0.2451, 0.3369

Monochromacy



Original Color

58.2397, 0.2591, 0.3975



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

47.0253, 0.2857, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2397, 0.2591, 0.3975 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(82, 224, 176)` looks like.

```
.text, #text, p{  
    color:rgb(82, 224, 176)  
}
```

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(82, 224, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 224, 176) }
```

Border

The CSS property to change the border of an element to Yxy 58.2397, 0.2591, 0.3975 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(82, 224, 176) }
```

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

```
.border{ border-color:rgb(82, 224, 176) }
```

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

Here you see how a box with a 4 pixel rgb(82, 224, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 224, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 224, 176);  
box-shadow:4px 4px 4px 4px rgb(82, 224,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2397, 0.2591, 0.3975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 224, 176) }
```

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

```
.background{ background-color: rgb(82, 224,  
176) }
```

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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