

Converting Colors

$Y_{xy}(59.2549, 0.2478, 0.3933)$

Have a look what the booklet for
Yxy(59.2549, 0.2478, 0.3933)
contains.

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Color

Yxy(59.5341, 0.2478, 0.3933)

Conversions

Conversions Part 1

Format	Color
Hex	30E4B7
RGB	48, 228, 183
RGB Percent	19%, 89%, 72%
CMY	0.8119, 0.1059, 0.2823
CMYK	0.79, 0.00, 0.20, 0.11
HSL	165°, 77%, 54%
HSV	165°, 79%, 89%
XYZ	37.5097, 59.5341, 54.3269
YIQ	169.0500, -92.8350, -52.1550

Conversions

Conversions Part 2

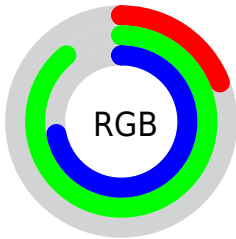
Format	Color
RYB	48, 151, 228
Decimal	3204279
CIELab	81.58, -53.87, 9.62
CIELCh	82, 54.723, 169.875
Yxy	59.5341, 0.2478, 0.3933
Android (android.graphics.Color)	4281394359 (0xFF30E4B7)
YUV	169.0500, 6.8774, -106.1608
Hunter-Lab	77.1583, -48.2513, 12.2649

Details

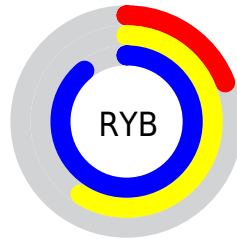
The Yxy color **59.5341, 0.2478, 0.3933** is a light color, and the websafe version is hex **00CC99**. The color can be described as light washed spring green. A complement of this color would be **19.3941, 0.5254, 0.2910**, and the grayscale version is **39.6973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0371, 0.2527, 0.3476**, and **30.7375, 0.2466, 0.4076** is the 20% darker color. If you saturate the color by 10%, you get **58.8853, 0.2470, 0.4027**, and if you desaturate by 10%, it is **60.4816, 0.2506, 0.3839**.

Distribution



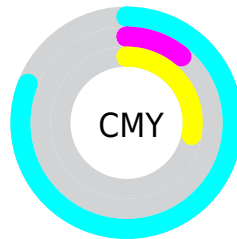
- Red (19%)
- Green (89%)
- Blue (72%)



- Red (19%)
- Yellow (59%)
- Blue (89%)



- Cyan (79%)
- Magenta (0%)
- Yellow (20%)
- Black (11%)




- Cyan (81%)
- Magenta (11%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.5341, 0.2478, 0.3933 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 59.5341, 0.2478, 0.3933 by changing the saturation by 10% instead.


 59.5341, 0.2478,
0.3933


 59.5341, 0.2478,
0.3933


422.8783, 0.2793,
0.3614

 43.0432, 0.2403,
0.4012


 104.1535, 0.2590,
0.3817

 29.9190, 0.2308,
0.4113


 133.0509, 0.2633,
0.3774


 19.7771, 0.2185,
0.4245

 166.8525, 0.2669,
0.3737

 12.2331, 0.2020,
0.4428

 205.9427, 0.2701,
0.3705

 6.9027, 0.1789,
0.4695

 250.7061, 0.2728,
0.3678

 3.4013, 0.1446,
0.5115

301.5268, 0.2752,

 1.3447, 0.0000,

0.3654

0.6501

358.7895, 0.2774,
0.3632

■ 0.1754, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.5341, 0.2478,
0.3933

■ 59.5341, 0.2478,
0.3933

■ 58.8853, 0.2470,
0.4027

■ 60.4816, 0.2506,
0.3839

■ 58.4689, 0.2479,
0.4120

■ 61.7593, 0.2554,
0.3746


■ 58.4312, 0.2480,
0.4129

■ 63.4021, 0.2620,
0.3657


■ 65.4386, 0.2703,
0.3571

 67.8946, 0.2799,
0.3490

 70.7936, 0.2906,
0.3415

 74.1573, 0.3020,
0.3346

 78.0060, 0.3140,
0.3284

 82.3588, 0.3261,
0.3228

Harmonies

Analogous

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



59.5341, 0.3110, 0.4481



59.5341, 0.2478, 0.3933



59.5341, 0.2050, 0.3191

Triad

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



59.5341, 0.2478, 0.3933



59.5341, 0.2401, 0.2219



59.5341, 0.4529, 0.3743

Complementary

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



59.5341, 0.2478, 0.3933



19.3941, 0.5254, 0.2910

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.



59.5341, 0.4321, 0.3216



59.5341, 0.2478, 0.3933



59.5341, 0.3015, 0.2386

Square

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



59.5341, 0.2478, 0.3933



59.5341, 0.2019, 0.2277



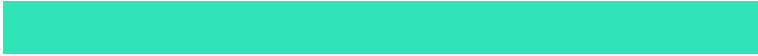
59.5341, 0.3737, 0.2739



59.5341, 0.4311, 0.4239

Rectangle

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



59.5341, 0.2478, 0.3933



59.5341, 0.1918, 0.2766



59.5341, 0.3737, 0.2739



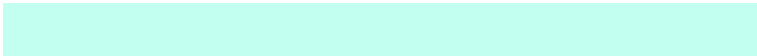
59.5341, 0.4509, 0.3566

Sweetspot

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



59.5364, 0.2478, 0.3933



89.2370, 0.2850, 0.3453



58.0277, 0.3181, 0.5629



18.8226, 0.2812, 0.3480



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.



59.5364, 0.2478, 0.3933



75.5204, 0.2475, 0.4088



40.0927, 0.2120, 0.2643



16.2716, 0.3015, 0.3349



33.7588, 0.2476, 0.4115



2.5093, 0.2439, 0.3979

Inverse Universe

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



19.3941, 0.5254, 0.2910



22.0261, 0.5837, 0.3018



24.5307, 0.5473, 0.3685



14.4268, 0.3253, 0.3232



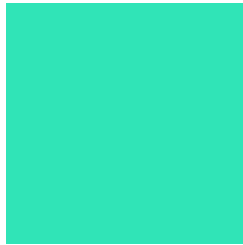
9.7106, 0.5925, 0.3037



0.7322, 0.5511, 0.2810

Previews

White Background



This preview shows how the Yxy color 59.5341, 0.2478, 0.3933 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 59.5341, 0.2478, 0.3933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

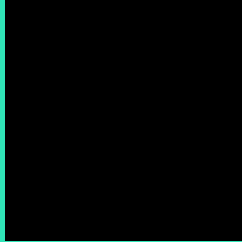
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

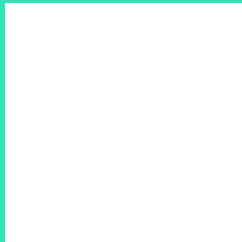
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.5341, 0.2478, 0.3933

Background



This preview shows how black text looks on a background with the Yxy color 59.5341, 0.2478, 0.3933.

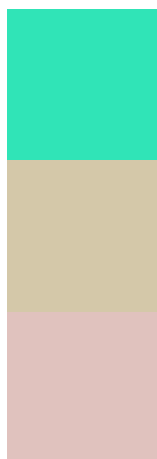


This preview shows how white text looks on a background with the Yxy color 59.5341, 0.2478, 0.3933.

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

59.5341, 0.2478, 0.3933

Protanopia

58.1702, 0.3457, 0.3658

Deuteranopia

58.1486, 0.3404, 0.3336



Tritanopia

59.1088, 0.2296, 0.3055

Trichromacy



Original Color

59.5341, 0.2478, 0.3933



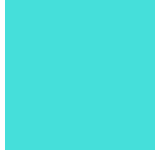
Protanomaly

55.8246, 0.2949, 0.3772



Deuteranomaly

55.2041, 0.2919, 0.3538



Tritanomaly

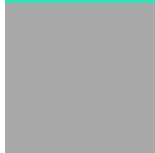
59.1025, 0.2356, 0.3355

Monochromacy



Original Color

59.5341, 0.2478, 0.3933



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

44.2429, 0.2749, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.5341, 0.2478, 0.3933 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(48, 228, 183)` looks like.

```
.text, #text, p{  
    color:rgb(48, 228, 183)  
}
```

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(48, 228, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 228, 183) }
```

Border

The CSS property to change the border of an element to Yxy 59.5341, 0.2478, 0.3933 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(48, 228, 183) }
```

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

```
.border{ border-color:rgb(48, 228, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 228, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 228, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 228, 183);  
box-shadow:4px 4px 4px 4px rgb(48, 228,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 59.5341, 0.2478, 0.3933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 228, 183) }
```

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

```
.background{ background-color: rgb(48, 228,  
183) }
```

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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