

Converting Colors

Yxy(58.4711, 0.2547, 0.4032)

Have a look what the booklet for
Yxy(58.4711, 0.2547, 0.4032)
contains.

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Color

Yxy(58.5387, 0.2550, 0.4040)

Conversions

Conversions Part 1

Format	Color
Hex	40E2AE
RGB	64, 226, 174
RGB Percent	25%, 89%, 68%
CMY	0.7493, 0.1137, 0.3175
CMYK	0.72, 0.00, 0.23, 0.11
HSL	161°, 74%, 57%
HSV	161°, 72%, 89%
XYZ	36.9489, 58.5387, 49.4101
YIQ	171.6340, -79.8600, -50.5160

Conversions

Conversions Part 2

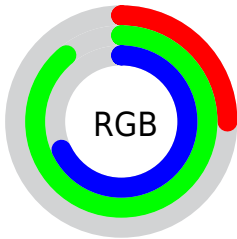
Format	Color
RYB	64, 160, 226
Decimal	4252334
CIELab	81.04, -53.35, 13.61
CIELCh	81, 55.060, 165.684
Yxy	58.5387, 0.2550, 0.4040
Android (android.graphics.Color)	4282442414 (0xFF40E2AE)
YUV	171.6340, 1.1664, -94.3950
Hunter-Lab	76.5106, -47.6913, 15.2682

Details

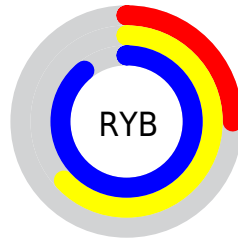
The Yxy color **58.5387, 0.2550, 0.4040** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **21.0869, 0.4777, 0.2772**, and the grayscale version is **41.0760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1387, 0.2598, 0.3583**, and **30.1546, 0.2508, 0.4227** is the 20% darker color. If you saturate the color by 10%, you get **57.6565, 0.2533, 0.4164**, and if you desaturate by 10%, it is **59.7475, 0.2587, 0.3917**.

Distribution



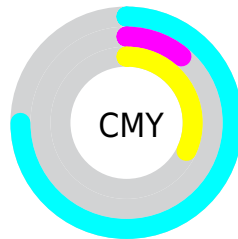
- Red (25%)
- Green (89%)
- Blue (68%)



- Red (25%)
- Yellow (63%)
- Blue (89%)



- Cyan (72%)
- Magenta (0%)
- Yellow (23%)
- Black (11%)




- Cyan (75%)
- Magenta (11%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5387, 0.2550, 0.4040 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 58.5387, 0.2550, 0.4040 by changing the saturation by 10% instead.

 58.5387, 0.2550,
0.4040

 58.5387, 0.2550,
0.4040

419.1903, 0.2834,
0.3662


 42.2419, 0.2481,
0.4135


 102.7069, 0.2652,
0.3902


 29.2907, 0.2392,
0.4257


 131.3471, 0.2691,
0.3851

 19.3009, 0.2277,
0.4419


 164.8705, 0.2724,
0.3807

 11.8879, 0.2120,
0.4646

 203.6616, 0.2752,
0.3770

 6.6674, 0.1894,
0.4981

248.1047, 0.2777,
0.3737

 3.2550, 0.1549,
0.5522

298.5843, 0.2798,

 1.2662, 0.0000,

0.3709

0.7698

355.4847, 0.2817,
0.3684

■ 0.1148, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.5387, 0.2550,
0.4040

■ 58.5387, 0.2550,
0.4040

■ 57.6565, 0.2533,
0.4164

■ 59.7475, 0.2587,
0.3917


■ 57.0539, 0.2537,
0.4287

■ 61.3091, 0.2642,
0.3798

■ 56.7138, 0.2552,
0.4387

■ 63.2551, 0.2714,
0.3684


■ 65.6114, 0.2800,
0.3577

 68.4016, 0.2896,
0.3477

 71.6476, 0.3000,
0.3386

 75.3698, 0.3108,
0.3303

 79.5872, 0.3219,
0.3229

 81.9037, 0.3243,
0.3160

Harmonies

Analogous

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



58.5387, 0.3206, 0.4538



58.5387, 0.2550, 0.4040



58.5387, 0.2083, 0.3291

Triad

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



58.5387, 0.2550, 0.4040



58.5387, 0.2324, 0.2202



58.5387, 0.4543, 0.3671

Complementary

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



58.5387, 0.2550, 0.4040



21.0869, 0.4777, 0.2772

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.



58.5387, 0.4272, 0.3142



58.5387, 0.2550, 0.4040



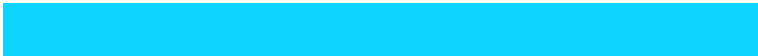
58.5387, 0.2915, 0.2341

Square

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



58.5387, 0.2550, 0.4040



58.5387, 0.1975, 0.2294



58.5387, 0.3644, 0.2674



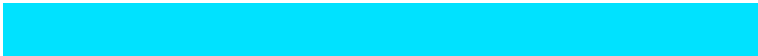
58.5387, 0.4377, 0.4183

Rectangle

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



58.5387, 0.2550, 0.4040



58.5387, 0.1923, 0.2840



58.5387, 0.3644, 0.2674



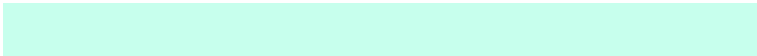
58.5387, 0.4502, 0.3492

Sweetspot

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



58.5410, 0.2550, 0.4040



89.7634, 0.2892, 0.3481



58.6139, 0.3281, 0.5403



18.9877, 0.2865, 0.3508



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.



58.5410, 0.2550, 0.4040



75.3787, 0.2533, 0.4224



47.4225, 0.2226, 0.2911



15.4936, 0.3024, 0.3366



32.3756, 0.2547, 0.4368



2.2602, 0.2495, 0.4180

Inverse Universe

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



21.0869, 0.4777, 0.2772



23.5448, 0.5303, 0.2808



24.0108, 0.5328, 0.3551



13.7726, 0.3242, 0.3215



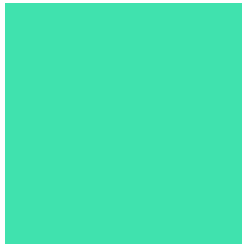
9.5140, 0.5679, 0.2902



0.6754, 0.5241, 0.2661

Previews

White Background



This preview shows how the Yxy color 58.5387, 0.2550, 0.4040 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 58.5387, 0.2550, 0.4040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

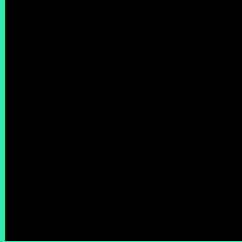
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.5387, 0.2550, 0.4040

Background



This preview shows how black text looks on a background with the Yxy color 58.5387, 0.2550, 0.4040.

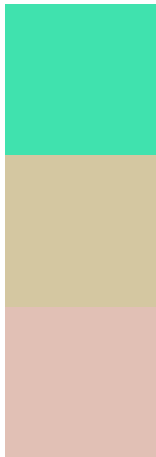


This preview shows how white text looks on a background with the Yxy color 58.5387, 0.2550, 0.4040.

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

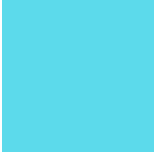
58.5387, 0.2550, 0.4040

Protanopia

57.4171, 0.3521, 0.3743

Deuteranopia

57.0430, 0.3489, 0.3417



Tritanopia

58.4163, 0.2336, 0.3068

Trichromacy



Original Color

58.5387, 0.2550, 0.4040



Protanomaly

55.6232, 0.3042, 0.3865



Deuteranomaly

54.5071, 0.3021, 0.3631



Tritanomaly

58.3108, 0.2408, 0.3396

Monochromacy



Original Color

58.5387, 0.2550, 0.4040



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

45.7029, 0.2813, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5387, 0.2550, 0.4040 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(64, 226, 174)` looks like.

```
.text, #text, p{  
    color:rgb(64, 226, 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(64, 226, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 226, 174) }
```

Border

The CSS property to change the border of an element to Yxy 58.5387, 0.2550, 0.4040 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(64, 226, 174) }
```

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

```
.border{ border-color:rgb(64, 226, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 226, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 226, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 226, 174);  
box-shadow:4px 4px 4px 4px rgb(64, 226,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5387, 0.2550, 0.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 226, 174) }
```

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

```
.background{ background-color: rgb(64, 226,  
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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