

Converting Colors

$Y_{xy}(59.6070, 0.2553, 0.4326)$

Have a look what the booklet for
Yxy(59.6070, 0.2553, 0.4326)
contains.

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Color

Yxy(59.3259, 0.2552, 0.4324)

Conversions

Conversions Part 1

Format	Color
Hex	18E6A0
RGB	24, 230, 160
RGB Percent	9%, 90%, 63%
CMY	0.9069, 0.0980, 0.3726
CMYK	0.90, 0.00, 0.30, 0.10
HSL	160°, 81%, 50%
HSV	160°, 90%, 90%
XYZ	35.0138, 59.3259, 42.8617
YIQ	160.4260, -100.3060, -65.4420

Conversions

Conversions Part 2

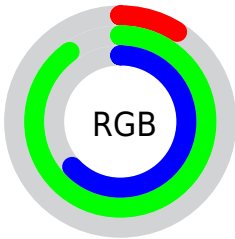
Format	Color
RYB	24, 148, 230
Decimal	1631904
CIELab	81.47, -61.70, 21.48
CIELCh	81, 65.332, 160.810
Yxy	59.3259, 0.2552, 0.4324
Android (android.graphics.Color)	4279821984 (0xFF18E6A0)
YUV	160.4260, -0.2100, -119.6456
Hunter-Lab	77.0233, -53.6470, 20.9228

Details

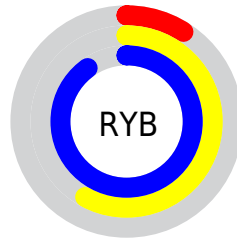
The Yxy color **59.3259, 0.2552, 0.4324** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **18.2715, 0.5342, 0.2791**, and the grayscale version is **35.3625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0037, 0.2595, 0.3777**, and **30.9698, 0.2601, 0.4564** is the 20% darker color. If you saturate the color by 10%, you get **58.8772, 0.2571, 0.4453**, and if you desaturate by 10%, it is **60.0175, 0.2551, 0.4193**.

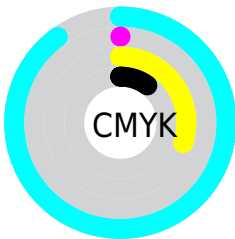
Distribution



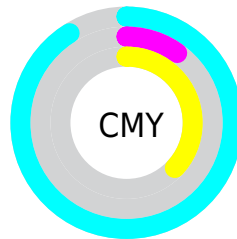
- Red (9%)
- Green (90%)
- Blue (63%)



- Red (9%)
- Yellow (58%)
- Blue (90%)



- Cyan (90%)
- Magenta (0%)
- Yellow (30%)
- Black (10%)





- Cyan (91%)
- Magenta (10%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.3259, 0.2552, 0.4324 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 59.3259, 0.2552, 0.4324 by changing the saturation by 10% instead.


 59.3259, 0.2552,
0.4324


 59.3259, 0.2552,
0.4324

422.1086, 0.2842,
0.3795

 42.8755, 0.2479,
0.4459


 103.8512, 0.2658,
0.4130

 29.7875, 0.2386,
0.4633


 132.6949, 0.2698,
0.4057


 19.6773, 0.2262,
0.4866


 166.4384, 0.2731,
0.3996

 12.1607, 0.2090,
0.5193

 205.4663, 0.2760,
0.3944

 6.8532, 0.1839,
0.5679

 250.1629, 0.2785,
0.3899

 3.3705, 0.1444,
0.6463

300.9125, 0.2806,

 1.3281, 0.0000,

0.3860

1.0000

358.0996, 0.2825,
0.3826

■ 0.1628, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.3259, 0.2552,
0.4324

■ 59.3259, 0.2552,
0.4324

■ 58.8772, 0.2571,
0.4453


■ 60.0175, 0.2551,
0.4193


■ 58.8640, 0.2571,
0.4457


■ 61.0113, 0.2570,
0.4061


■ 62.3498, 0.2609,
0.3931


■ 64.0669, 0.2666,
0.3805

 66.1922, 0.2740,
0.3685

 68.7523, 0.2826,
0.3572

 71.7716, 0.2922,
0.3468

 75.2725, 0.3024,
0.3373

 79.2761, 0.3131,
0.3287

Harmonies

Analogous

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



59.3259, 0.3326, 0.4827



59.3259, 0.2552, 0.4324



59.3259, 0.1978, 0.3421

Triad

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



59.3259, 0.2552, 0.4324



59.3259, 0.2110, 0.2037



59.3259, 0.4775, 0.3598

Complementary

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



59.3259, 0.2552, 0.4324



18.2715, 0.5342, 0.2791

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.



59.3259, 0.4381, 0.3009



59.3259, 0.2552, 0.4324



59.3259, 0.2744, 0.2159

Square

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



59.3259, 0.2552, 0.4324



59.3259, 0.1767, 0.2177



59.3259, 0.3588, 0.2503



59.3259, 0.4638, 0.4202

Rectangle

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



59.3259, 0.2552, 0.4324



59.3259, 0.1769, 0.2861



59.3259, 0.3588, 0.2503



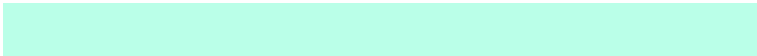
59.3259, 0.4703, 0.3397

Sweetspot

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



59.3282, 0.2552, 0.4324



87.7831, 0.2849, 0.3545



59.1476, 0.3233, 0.5746



18.5270, 0.2818, 0.3582



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.



59.3282, 0.2552, 0.4324



74.3638, 0.2573, 0.4464



46.7844, 0.2141, 0.2854



16.2489, 0.3027, 0.3371



33.3460, 0.2566, 0.4437



2.4814, 0.2513, 0.4248

Inverse Universe

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



18.2715, 0.5342, 0.2791



21.9409, 0.5667, 0.2895



19.5925, 0.6036, 0.3463



14.4483, 0.3239, 0.3210



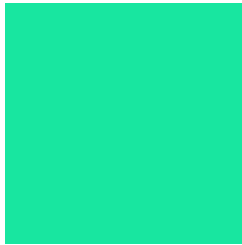
9.8567, 0.5611, 0.2865



0.7453, 0.5202, 0.2639

Previews

White Background



This preview shows how the Yxy color 59.3259, 0.2552, 0.4324 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 59.3259, 0.2552, 0.4324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

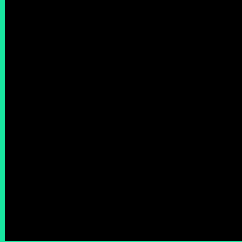
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.3259, 0.2552, 0.4324

Background



This preview shows how black text looks on a background with the Yxy color 59.3259, 0.2552, 0.4324.

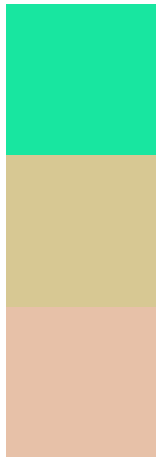


This preview shows how white text looks on a background with the Yxy color 59.3259, 0.2552, 0.4324.

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

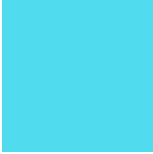
59.3259, 0.2552, 0.4324

Protanopia

57.8622, 0.3651, 0.3917

Deuteranopia

57.9560, 0.3644, 0.3574



Tritanopia

59.0649, 0.2293, 0.3055

Trichromacy



Original Color

59.3259, 0.2552, 0.4324



Protanomaly

54.8753, 0.3040, 0.4105



Deuteranomaly

53.9271, 0.3035, 0.3845



Tritanomaly

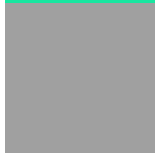
58.9251, 0.2372, 0.3480

Monochromacy



Original Color

59.3259, 0.2552, 0.4324



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

40.5510, 0.2734, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3259, 0.2552, 0.4324 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(24, 230, 160)` looks like.

```
.text, #text, p{  
    color:rgb(24, 230, 160)  
}
```

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(24, 230, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 230, 160) }
```

Border

The CSS property to change the border of an element to Yxy 59.3259, 0.2552, 0.4324 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(24, 230, 160) }
```

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

```
.border{ border-color:rgb(24, 230, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 230, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 230, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 230, 160);  
box-shadow:4px 4px 4px 4px rgb(24, 230,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3259, 0.2552, 0.4324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 230, 160) }
```

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

```
.background{ background-color: rgb(24, 230,  
160) }
```

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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