

Converting Colors

$Y_{xy}(59.7231, 0.2541, 0.4333)$

Have a look what the booklet for
Yxy(59.7231, 0.2541, 0.4333)
contains.

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Color

Yxy(59.7351, 0.2543, 0.4338)

Conversions

Conversions Part 1

Format	Color
Hex	08E7A0
RGB	8, 231, 160
RGB Percent	3%, 91%, 63%
CMY	0.9692, 0.0941, 0.3725
CMYK	0.97, 0.00, 0.31, 0.09
HSL	161°, 93%, 47%
HSV	161°, 97%, 91%
XYZ	35.0176, 59.7351, 42.9492
YIQ	156.2290, -110.1170, -69.3570

Conversions

Conversions Part 2

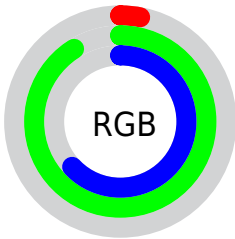
Format	Color
RYB	8, 141, 231
Decimal	583584
CIELab	81.69, -62.65, 21.76
CIELCh	82, 66.324, 160.846
Yxy	59.7351, 0.2543, 0.4338
Android (android.graphics.Color)	4278773664 (0xFF08E7A0)
YUV	156.2290, 1.8591, -129.9968
Hunter-Lab	77.2885, -54.3807, 21.1545

Details

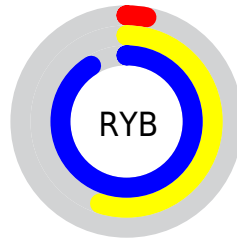
The Yxy color **59.7351, 0.2543, 0.4338** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **17.7208, 0.5634, 0.2899**, and the grayscale version is **33.3615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7413, 0.2581, 0.3779**, and **31.3548, 0.2605, 0.4578** is the 20% darker color. If you saturate the color by 10%, you get **59.6000, 0.2550, 0.4379**, and if you desaturate by 10%, it is **60.2423, 0.2530, 0.4217**.

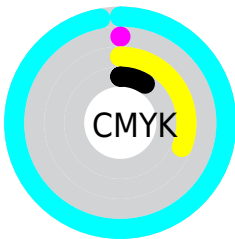
Distribution



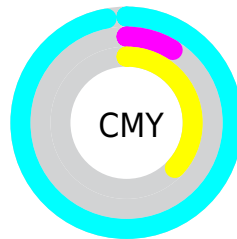
- Red (3%)
- Green (91%)
- Blue (63%)



- Red (3%)
- Yellow (55%)
- Blue (91%)



- Cyan (97%)
- Magenta (0%)
- Yellow (31%)
- Black (9%)





- Cyan (97%)
- Magenta (9%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.7351, 0.2543, 0.4338 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 59.7351, 0.2543, 0.4338 by changing the saturation by 10% instead.


 59.7351, 0.2543,
0.4338


 59.7351, 0.2543,
0.4338


423.6207, 0.2838,
0.3802


 43.2052, 0.2469,
0.4474


 104.4453, 0.2650,
0.4141

 30.0461, 0.2374,
0.4650


 133.3943, 0.2691,
0.4068


 19.8736, 0.2249,
0.4886


 167.2519, 0.2725,
0.4006

 12.3032, 0.2075,
0.5216

 206.4023, 0.2754,
0.3953

 6.9505, 0.1823,
0.5707

 251.2300, 0.2779,
0.3908

 3.4312, 0.1426,
0.6494

302.1193, 0.2801,

 1.3608, 0.0000,

0.3868

1.0000

359.4548, 0.2821,
0.3833

■ 0.1875, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.7351, 0.2543,
0.4338

■ 59.7351, 0.2543,
0.4338


■ 59.6000, 0.2550,
0.4379

■ 60.2423, 0.2530,
0.4217


■ 61.0180, 0.2537,
0.4095

■ 62.1126, 0.2564,
0.3972


■ 63.5643, 0.2611,
0.3852

 65.4058, 0.2676,
0.3736

 67.6661, 0.2755,
0.3626

 70.3711, 0.2847,
0.3523

 73.5449, 0.2948,
0.3428

 77.2095, 0.3055,
0.3342

Harmonies

Analogous

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



59.7351, 0.3325, 0.4848



59.7351, 0.2543, 0.4338



59.7351, 0.1964, 0.3421

Triad

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



59.7351, 0.2543, 0.4338



59.7351, 0.2100, 0.2024



59.7351, 0.4796, 0.3600

Complementary

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



59.7351, 0.2543, 0.4338



17.7208, 0.5634, 0.2899

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.



59.7351, 0.4397, 0.3005



59.7351, 0.2543, 0.4338



59.7351, 0.2740, 0.2148

Square

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



59.7351, 0.2543, 0.4338



59.7351, 0.1754, 0.2163



59.7351, 0.3595, 0.2495



59.7351, 0.4654, 0.4210

Rectangle

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



59.7351, 0.2543, 0.4338



59.7351, 0.1754, 0.2853



59.7351, 0.3595, 0.2495



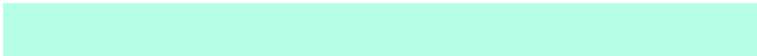
59.7351, 0.4723, 0.3397

Sweetspot

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



59.7375, 0.2543, 0.4338



87.1463, 0.2823, 0.3548



58.9699, 0.3180, 0.5838



18.3407, 0.2783, 0.3592



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.



59.7375, 0.2543, 0.4338



74.5715, 0.2551, 0.4385



44.3169, 0.2105, 0.2762



16.2543, 0.3024, 0.3366



33.4383, 0.2544, 0.4360



2.4877, 0.2495, 0.4184

Inverse Universe

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



17.7208, 0.5634, 0.2899



21.8558, 0.5746, 0.2939



18.8859, 0.6181, 0.3440



14.4432, 0.3243, 0.3215



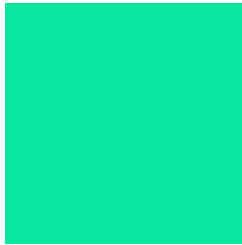
9.8174, 0.5691, 0.2909



0.7419, 0.5277, 0.2681

Previews

White Background



This preview shows how the Yxy color 59.7351, 0.2543, 0.4338 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 59.7351, 0.2543, 0.4338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

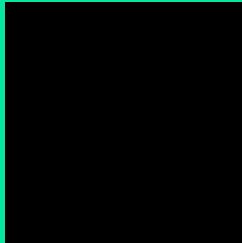
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

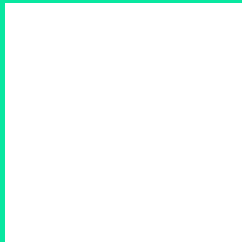
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.7351, 0.2543, 0.4338

Background



This preview shows how black text looks on a background with the Yxy color 59.7351, 0.2543, 0.4338.

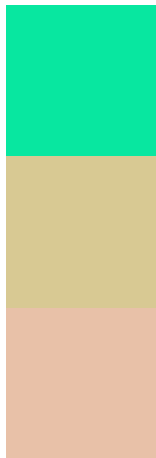


This preview shows how white text looks on a background with the Yxy color 59.7351, 0.2543, 0.4338.

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

59.7415, 0.2543, 0.4338

Protanopia

58.4788, 0.3657, 0.3926

Deuteranopia

58.1229, 0.3653, 0.3573



Tritanopia

59.5646, 0.2287, 0.3055

Trichromacy



Original Color

59.7415, 0.2543, 0.4338



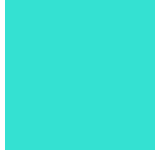
Protanomaly

54.9294, 0.3006, 0.4125



Deuteranomaly

53.8263, 0.2992, 0.3864



Tritanomaly

59.2336, 0.2358, 0.3494

Monochromacy



Original Color

59.7415, 0.2543, 0.4338



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

39.1261, 0.2699, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7351, 0.2543, 0.4338 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(8, 231, 160)` looks like.

```
.text, #text, p{  
    color:rgb(8, 231, 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(8, 231, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 231, 160) }
```

Border

The CSS property to change the border of an element to Yxy 59.7351, 0.2543, 0.4338 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(8, 231, 160) }
```

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

```
.border{ border-color:rgb(8, 231, 160) }
```

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

Here you see how a box with a 4 pixel rgb(8, 231, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 231, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 231, 160);  
box-shadow:4px 4px 4px 4px rgb(8, 231,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7351, 0.2543, 0.4338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 231, 160) }
```

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

```
.background{ background-color: rgb(8, 231,  
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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