

# Converting Colors

$Y_{xy}(59.0203, 0.2514, 0.4251)$

Have a look what the booklet for  
Yxy(59.0203, 0.2514, 0.4251)  
contains.

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# Color

**Yxy(59.3102, 0.2514, 0.4249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01E6A5
RGB	1, 230, 165
RGB Percent	0%, 90%, 65%
CMY	0.9976, 0.0980, 0.3530
CMYK	1.00, 0.00, 0.28, 0.10
HSL	163°, 99%, 45%
HSV	163°, 100%, 90%
XYZ	35.0920, 59.3102, 45.1841
YIQ	154.1190, -115.6190, -68.7630

# Conversions

## Conversions Part 2

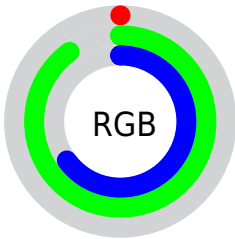
Format	Color
R <sub>Y</sub> B	1, 134, 230
Decimal	124581
CIE Lab	81.46, -61.40, 18.86
CIE LCh	81, 64.229, 162.925
Yxy	59.3102, 0.2514, 0.4249
Android (android.graphics.Color)	4278314661 (0xFF01E6A5)
YUV	154.1190, 5.3643, -134.2854
Hunter-Lab	77.0131, -53.4372, 19.1234

# Details

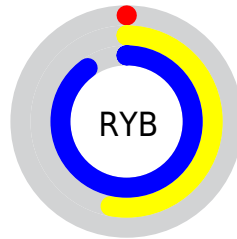
The Yxy color **59.3102, 0.2514, 0.4249** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **17.2252, 0.5847, 0.2996**, and the grayscale version is **32.3287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9385, 0.2555, 0.3715**, and **31.0794, 0.2572, 0.4460** is the 20% darker color. If you saturate the color by 10%, you get **59.3022, 0.2514, 0.4252**, and if you desaturate by 10%, it is **59.7415, 0.2501, 0.4143**.

# Distribution



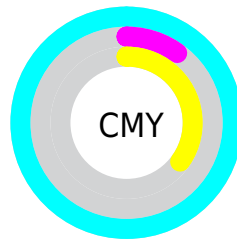
- Red (0%)
- Green (90%)
- Blue (65%)



- Red (0%)
- Yellow (53%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (10%)




- Cyan (100%)
- Magenta (10%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.3102, 0.2514, 0.4249 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 59.3102, 0.2514, 0.4249 by changing the saturation by 10% instead.





 59.3102, 0.2514,  
0.4249


 59.3102, 0.2514,  
0.4249


422.0505, 0.2820,  
0.3761


 42.8629, 0.2438,  
0.4373


 103.8284, 0.2625,  
0.4070

 29.7775, 0.2342,  
0.4533


 132.6680, 0.2667,  
0.4003


 19.6698, 0.2214,  
0.4746


 166.4072, 0.2702,  
0.3947

 12.1552, 0.2040,  
0.5045

 205.4304, 0.2732,  
0.3899

 6.8495, 0.1788,  
0.5488

 250.1219, 0.2759,  
0.3857

 3.3682, 0.1399,  
0.6204

300.8662, 0.2782,

 1.3268, 0.0000,

0.3821

0.9546

358.0476, 0.2802,  
0.3789

■ 0.1618, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.3102, 0.2514,  
0.4249

■ 59.3102, 0.2514,  
0.4249

■ 59.3022, 0.2514,  
0.4252

■ 59.7415, 0.2501,  
0.4143

■ 60.4030, 0.2504,  
0.4035

■ 61.3638, 0.2528,  
0.3927

■ 62.6639, 0.2571,  
0.3820

■ 64.3370, 0.2634,  
0.3716

■ 66.4128, 0.2712,  
0.3618

■ 68.9176, 0.2804,  
0.3525

■ 71.8758, 0.2906,  
0.3438

■ 75.3097, 0.3016,  
0.3360

# Harmonies

## Analogous

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



59.3102, 0.3270, 0.4785



59.3102, 0.2514, 0.4249



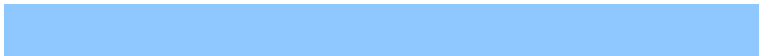
59.3102, 0.1967, 0.3358

# Triad

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



59.3102, 0.2514, 0.4249



59.3102, 0.2160, 0.2055



59.3102, 0.4756, 0.3640

# Complementary

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



59.3102, 0.2514, 0.4249



17.2252, 0.5847, 0.2996

# 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.



59.3102, 0.4403, 0.3054



59.3102, 0.2514, 0.4249



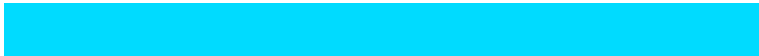
59.3102, 0.2804, 0.2192

# Square

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



59.3102, 0.2514, 0.4249



59.3102, 0.1800, 0.2174



59.3102, 0.3642, 0.2545



59.3102, 0.4589, 0.4233



# Rectangle

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



59.3102, 0.2514, 0.4249



59.3102, 0.1774, 0.2819



59.3102, 0.3642, 0.2545



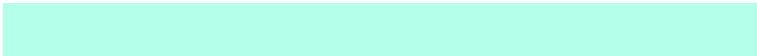
59.3102, 0.4697, 0.3440

# Sweetspot

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



59.3125, 0.2514, 0.4249



86.9455, 0.2800, 0.3529



57.8751, 0.3134, 0.5892



18.3103, 0.2760, 0.3567



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.



59.3125, 0.2514, 0.4249



74.9272, 0.2516, 0.4258



40.0486, 0.2064, 0.2627



16.2631, 0.3019, 0.3357



33.5961, 0.2510, 0.4235



2.4984, 0.2467, 0.4079



# Inverse Universe

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



17.2252, 0.5847, 0.2996



21.7316, 0.5868, 0.3006



18.8167, 0.6191, 0.3464



14.4348, 0.3248, 0.3224



9.7597, 0.5814, 0.2977

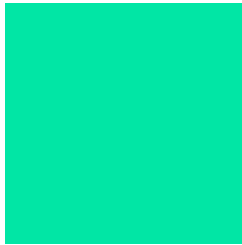


0.7368, 0.5397, 0.2747



# Previews

## White Background



This preview shows how the Yxy color 59.3102, 0.2514, 0.4249 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 59.3102, 0.2514, 0.4249 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

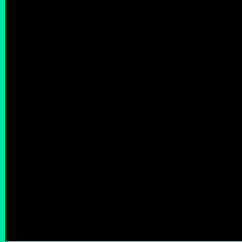
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.3102, 0.2514, 0.4249**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.3102, 0.2514, 0.4249.

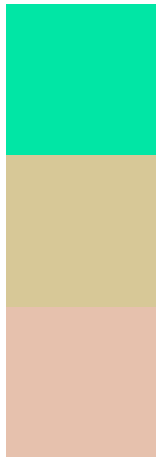


This preview shows how white text looks on a background with the Yxy color 59.3102, 0.2514, 0.4249.

# 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

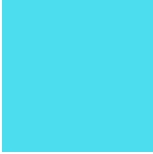
59.3167, 0.2514, 0.4249

### Protanopia

57.9900, 0.3621, 0.3869

### Deuteranopia

57.9801, 0.3594, 0.3518



## **Tritanopia**

59.4224, 0.2285, 0.3067

# Trichromacy



## Original Color

59.3167, 0.2514, 0.4249



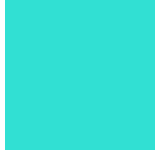
## Protanomaly

54.3072, 0.2961, 0.4060



## Deuteranomaly

53.2479, 0.2939, 0.3784



## Tritanomaly

58.6674, 0.2345, 0.3467

# Monochromacy



## Original Color

59.3167, 0.2514, 0.4249



## Achromatopsia

32.3143, 0.3127, 0.3290



## Achromatomaly

38.5212, 0.2667, 0.3677

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.3102, 0.2514, 0.4249 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(1, 230, 165)` looks like.

```
.text, #text, p{  
    color:rgb(1, 230, 165)  
}
```

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(1, 230, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 230, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 59.3102, 0.2514, 0.4249 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(1, 230, 165) }
```

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

```
.border{ border-color:rgb(1, 230, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 230, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 230, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 230, 165);  
box-shadow:4px 4px 4px 4px rgb(1, 230,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.3102, 0.2514, 0.4249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 230, 165) }
```

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

```
.background{ background-color: rgb(1, 230,  
165) }
```

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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