

# Converting Colors

$Y_{xy}(59.0727, 0.2645, 0.4653)$

Have a look what the booklet for  
Yxy(59.0727, 0.2645, 0.4653)  
contains.

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# Color

**Yxy(59.2395, 0.2644, 0.4650)**

# Conversions

## Conversions Part 1

Format	Color
Hex	18E78C
RGB	24, 231, 140
RGB Percent	9%, 91%, 55%
CMY	0.9065, 0.0941, 0.4509
CMYK	0.90, 0.00, 0.39, 0.09
HSL	154°, 81%, 50%
HSV	154°, 90%, 91%
XYZ	33.6837, 59.2395, 34.4736
YIQ	158.7330, -94.1610, -72.1850

# Conversions

## Conversions Part 2

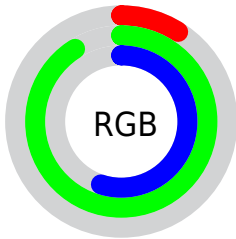
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">24, 157, 231</a>
Decimal	<a href="#">1632140</a>
CIELab	<a href="#">81.42, -66.09, 31.66</a>
CIELCh	<a href="#">81, 73.285, 154.407</a>
Yxy	<a href="#">59.2395, 0.2644, 0.4650</a>
Android (android.graphics.Color)	<a href="#">4279822220 (0xFF18E78C)</a>
YUV	<a href="#">158.7330, -9.2354, -118.1608</a>
Hunter-Lab	<a href="#">76.9672, -56.5744, 27.3211</a>

# Details

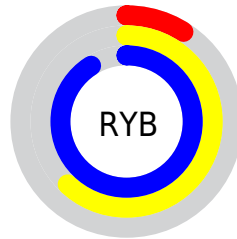
The Yxy color **59.2395, 0.2644, 0.4650** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **18.8705, 0.4973, 0.2580**, and the grayscale version is **34.5965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9924, 0.2690, 0.4052**, and **30.9934, 0.2711, 0.4961** is the 20% darker color. If you saturate the color by 10%, you get **58.7687, 0.2671, 0.4814**, and if you desaturate by 10%, it is **59.9658, 0.2634, 0.4479**.

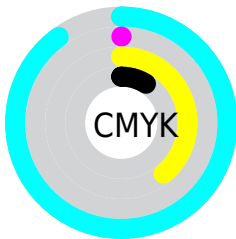
# Distribution



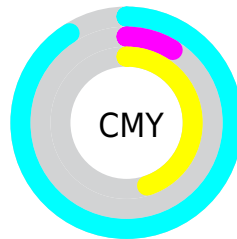
- Red (9%)
- Green (91%)
- Blue (55%)



- Red (9%)
- Yellow (62%)
- Blue (91%)



- Cyan (90%)
- Magenta (0%)
- Yellow (39%)
- Black (9%)




- Cyan (91%)
- Magenta (9%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.2395, 0.2644, 0.4650 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 59.2395, 0.2644, 0.4650 by changing the saturation by 10% instead.




 59.2395, 0.2644,  
0.4650

 59.2395, 0.2644,  
0.4650


421.7889, 0.2902,  
0.3945


 42.8059, 0.2575,  
0.4832


 103.7257, 0.2742,  
0.4389

 29.7329, 0.2484,  
0.5067


 132.5471, 0.2777,  
0.4292


 19.6359, 0.2359,  
0.5383


 166.2666, 0.2807,  
0.4211

 12.1307, 0.2180,  
0.5824

 205.2685, 0.2832,  
0.4142

 6.8327, 0.1906,  
0.6472

 249.9373, 0.2853,  
0.4083

 3.3577, 0.1467,  
0.7688

300.6574, 0.2872,

 1.3212, 0.0000,

0.4031

1.0000

357.8131, 0.2888,  
0.3985

■ 0.1575, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.2395, 0.2644,  
0.4650

■ 59.2395, 0.2644,  
0.4650

■ 58.7687, 0.2671,  
0.4814

■ 59.9658, 0.2634,  
0.4479


■ 58.7553, 0.2672,  
0.4819


■ 61.0081, 0.2645,  
0.4306


■ 62.4096, 0.2676,  
0.4133

■ 64.2049, 0.2725,  
0.3966

 66.4244, 0.2789,  
0.3807

 69.0953, 0.2864,  
0.3658

 72.2425, 0.2948,  
0.3522

 75.8892, 0.3038,  
0.3398

 80.0567, 0.3130,  
0.3287

# Harmonies

## Analogous

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



59.2395, 0.3513, 0.5046



59.2395, 0.2644, 0.4650



59.2395, 0.1957, 0.3653

# Triad

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



59.2395, 0.2644, 0.4650



59.2395, 0.1900, 0.1921



59.2395, 0.4926, 0.3462

# Complementary

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



59.2395, 0.2644, 0.4650



18.8705, 0.4973, 0.2580

# 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.



59.2395, 0.4368, 0.2840



59.2395, 0.2644, 0.4650



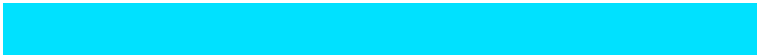
59.2395, 0.2521, 0.2000

# Square

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



59.2395, 0.2644, 0.4650



59.2395, 0.1599, 0.2129



59.2395, 0.3426, 0.2325



59.2395, 0.4874, 0.4124



# Rectangle

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



59.2395, 0.2644, 0.4650



59.2395, 0.1685, 0.2980



59.2395, 0.3426, 0.2325



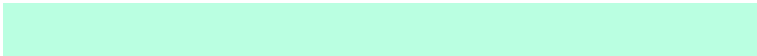
59.2395, 0.4805, 0.3248

# Sweetspot

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



59.2419, 0.2644, 0.4650



87.4010, 0.2885, 0.3623



61.0074, 0.3347, 0.5658



18.4367, 0.2857, 0.3671



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.



59.2419, 0.2644, 0.4650



73.5031, 0.2674, 0.4828



57.4897, 0.2221, 0.3148



16.2239, 0.3040, 0.3395



32.9621, 0.2665, 0.4793



2.4544, 0.2598, 0.4552



# Inverse Universe

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



18.8705, 0.4973, 0.2580



22.4299, 0.5262, 0.2673



18.2106, 0.6183, 0.3341



14.4726, 0.3224, 0.3187



10.0801, 0.5210, 0.2644

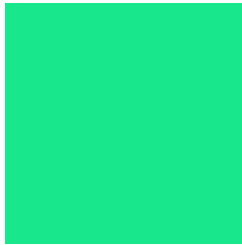


0.7633, 0.4846, 0.2443



# Previews

## White Background



This preview shows how the Yxy color 59.2395, 0.2644, 0.4650 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 59.2395, 0.2644, 0.4650 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

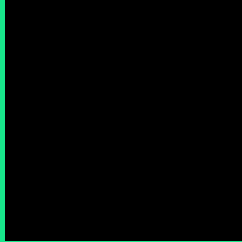
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.2395, 0.2644, 0.4650**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.2395, 0.2644, 0.4650.

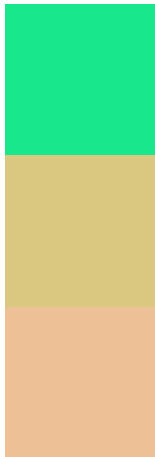


This preview shows how white text looks on a background with the Yxy color 59.2395, 0.2644, 0.4650.

# 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

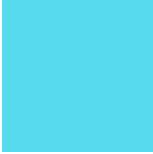
59.2395, 0.2644, 0.4650

### Protanopia

57.7725, 0.3819, 0.4127

### Deuteranopia

57.8737, 0.3855, 0.3769



## **Tritanopia**

58.7559, 0.2311, 0.3055

# Trichromacy



## Original Color

59.2395, 0.2644, 0.4650



## Protanomaly

54.4575, 0.3179, 0.4384



## Deuteranomaly

53.5889, 0.3185, 0.4107



## Tritanomaly

58.0964, 0.2410, 0.3581

# Monochromacy



## Original Color

59.2395, 0.2644, 0.4650



## Achromatopsia

34.6704, 0.3127, 0.3290



## Achromatomaly

40.2799, 0.2787, 0.3812

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.2395, 0.2644, 0.4650 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, 231, 140)` looks like.

```
.text, #text, p{  
    color:rgb(24, 231, 140)  
}
```

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, 231, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 231, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 59.2395, 0.2644, 0.4650 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, 231, 140) }
```

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

```
.border{ border-color:rgb(24, 231, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 231, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 231, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 231, 140);  
box-shadow:4px 4px 4px 4px rgb(24, 231,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.2395, 0.2644, 0.4650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 231, 140) }
```

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

```
.background{ background-color: rgb(24, 231,  
140) }
```

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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