

# Converting Colors

$Y_{xy}(59.9353, 0.2557, 0.3924)$

Have a look what the booklet for  
Yxy(59.9353, 0.2557, 0.3924)  
contains.

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# Color

**Yxy(59.9353, 0.2557, 0.3924)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4EE3B6
RGB	78, 227, 182
RGB Percent	31%, 89%, 71%
CMY	0.6939, 0.1098, 0.2864
CMYK	0.66, 0.00, 0.20, 0.11
HSL	162°, 73%, 60%
HSV	162°, 66%, 89%
XYZ	39.0557, 59.9353, 53.7493
YIQ	177.3190, -74.3590, -45.5830

# Conversions

## Conversions Part 2

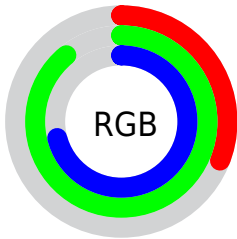
Format	Color
<a href="#">RYB</a>	<a href="#">78, 166, 227</a>
Decimal	<a href="#">5170102</a>
CIELab	<a href="#">81.80, -49.84, 10.56</a>
CIELCh	<a href="#">82, 50.949, 168.036</a>
Yxy	<a href="#">59.9353, 0.2557, 0.3924</a>
Android (android.graphics.Color)	<a href="#">4283360182</a> ( <a href="#">0xFF4EE3B6</a> )
YUV	<a href="#">177.3190, 2.3077, -87.1028</a>
Hunter-Lab	<a href="#">77.4179, -45.4318, 13.0290</a>

# Details

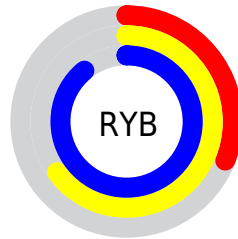
The Yxy color **59.9353, 0.2557, 0.3924** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **23.2220, 0.4607, 0.2816**, and the grayscale version is **44.1692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4438, 0.2603, 0.3484**, and **30.7108, 0.2471, 0.4097** is the 20% darker color. If you saturate the color by 10%, you get **58.8609, 0.2527, 0.4040**, and if you desaturate by 10%, it is **61.3592, 0.2607, 0.3811**.

# Distribution



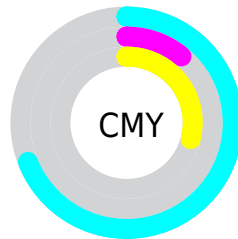
- Red (31%)
- Green (89%)
- Blue (71%)



- Red (31%)
- Yellow (65%)
- Blue (89%)



- Cyan (66%)
- Magenta (0%)
- Yellow (20%)
- Black (11%)




- Cyan (69%)
- Magenta (11%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9353, 0.2557, 0.3924 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 59.9353, 0.2557, 0.3924 by changing the saturation by 10% instead.




 59.9353, 0.2557,  
0.3924

 59.9353, 0.2557,  
0.3924


424.3592, 0.2834,  
0.3609

 43.3665, 0.2490,  
0.4002


 104.7358, 0.2656,  
0.3810

 30.1728, 0.2406,  
0.4102


 133.7363, 0.2694,  
0.3767

 19.9698, 0.2296,  
0.4234


 167.6495, 0.2726,  
0.3730

 12.3731, 0.2149,  
0.4416

 206.8597, 0.2754,  
0.3699

 6.9983, 0.1939,  
0.4682

251.7514, 0.2778,  
0.3672

 3.4610, 0.1623,  
0.5106

302.7090, 0.2799,

 1.3769, 0.0121,

0.3648

0.6599

360.1168, 0.2818,  
0.3627

■ 0.1996, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.9353, 0.2557,  
0.3924

■ 59.9353, 0.2557,  
0.3924

■ 58.8609, 0.2527,  
0.4040

■ 61.3592, 0.2607,  
0.3811

■ 58.0930, 0.2516,  
0.4156


■ 63.1562, 0.2675,  
0.3702


■ 57.5899, 0.2526,  
0.4270


■ 65.3562, 0.2757,  
0.3598

■ 57.4202, 0.2533,  
0.4320

■ 67.9839, 0.2852,  
0.3502

 71.0619, 0.2955,  
0.3413

 74.6114, 0.3064,  
0.3332

 78.6520, 0.3177,  
0.3259

 82.3062, 0.3258,  
0.3193

 82.7149, 0.3213,  
0.3126

# Harmonies

## Analogous

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



59.9353, 0.3157, 0.4406



59.9353, 0.2557, 0.3924



59.9353, 0.2138, 0.3244

# Triad

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



59.9353, 0.2557, 0.3924



59.9353, 0.2421, 0.2281



59.9353, 0.4432, 0.3693

# Complementary

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



59.9353, 0.2557, 0.3924



23.2220, 0.4607, 0.2816

# 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.



59.9353, 0.4211, 0.3197



59.9353, 0.2557, 0.3924



59.9353, 0.2985, 0.2426

# Square

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



59.9353, 0.2557, 0.3924



59.9353, 0.2073, 0.2354



59.9353, 0.3656, 0.2751



59.9353, 0.4258, 0.4159

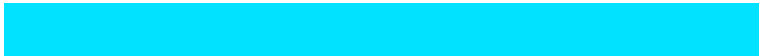


# Rectangle

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



59.9353, 0.2557, 0.3924



59.9353, 0.1999, 0.2840



59.9353, 0.3656, 0.2751



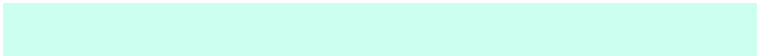
59.9353, 0.4403, 0.3527

# Sweetspot

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



59.9377, 0.2557, 0.3924



90.6237, 0.2907, 0.3452



59.8672, 0.3275, 0.5251



19.1580, 0.2878, 0.3477



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.



59.9377, 0.2557, 0.3924



76.1910, 0.2520, 0.4085



48.3369, 0.2265, 0.2913



16.2583, 0.3022, 0.3362



33.5088, 0.2529, 0.4303



2.4925, 0.2482, 0.4136



# Inverse Universe

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



23.2220, 0.4607, 0.2816



25.0820, 0.5114, 0.2813



27.0612, 0.5043, 0.3578



14.4394, 0.3245, 0.3219



9.7903, 0.5748, 0.2940

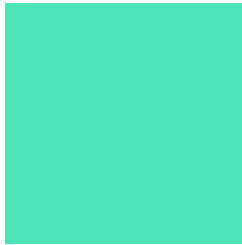


0.7395, 0.5332, 0.2711



# Previews

## White Background



This preview shows how the Yxy color 59.9353, 0.2557, 0.3924 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

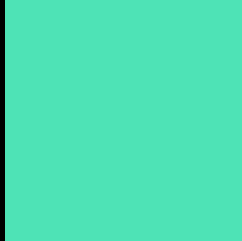
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.9353, 0.2557, 0.3924 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

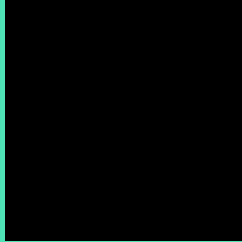
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

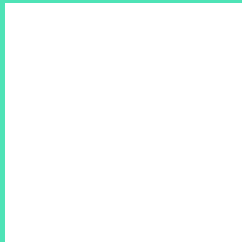
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.9353, 0.2557, 0.3924**

## Background



This preview shows how black text looks on a background with the Yxy color 59.9353, 0.2557, 0.3924.



This preview shows how white text looks on a background with the Yxy color 59.9353, 0.2557, 0.3924.

# 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

59.9353, 0.2557, 0.3924

### Protanopia

58.7840, 0.3463, 0.3669

### Deuteranopia

58.8731, 0.3427, 0.3359



## Tritanopia

59.5442, 0.2362, 0.3058

# Trichromacy



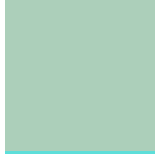
## Original Color

59.9353, 0.2557, 0.3924



## Protanomaly

57.0417, 0.3033, 0.3761



## Deuteranomaly

56.9415, 0.3011, 0.3558



## Tritanomaly

59.5795, 0.2430, 0.3355

# Monochromacy



## Original Color

59.9353, 0.2557, 0.3924



## Achromatopsia

43.9657, 0.3127, 0.3290



## Achromatomaly

47.9476, 0.2832, 0.3514

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.9353, 0.2557, 0.3924 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(78, 227, 182)` looks like.

```
.text, #text, p{  
    color:rgb(78, 227, 182)  
}
```

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(78, 227, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 227, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 59.9353, 0.2557, 0.3924 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(78, 227, 182) }
```

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

```
.border{ border-color:rgb(78, 227, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 227, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 227, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 227, 182);  
box-shadow:4px 4px 4px 4px rgb(78, 227,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.9353, 0.2557, 0.3924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 227, 182) }
```

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

```
.background{ background-color: rgb(78, 227,  
182) }
```

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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