

# Converting Colors

$Yxy(59.0978, 0.2466, 0.3880)$

Have a look what the booklet for  
Yxy(59.0978, 0.2466, 0.3880)  
contains.

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# Color

**Yxy(59.1363, 0.2464, 0.3875)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31E3BA
RGB	49, 227, 186
RGB Percent	19%, 89%, 73%
CMY	0.8070, 0.1098, 0.2707
CMYK	0.78, 0.00, 0.18, 0.11
HSL	166°, 76%, 54%
HSV	166°, 78%, 89%
XYZ	37.6031, 59.1363, 55.8705
YIQ	169.1040, -92.9270, -50.4870

# Conversions

## Conversions Part 2

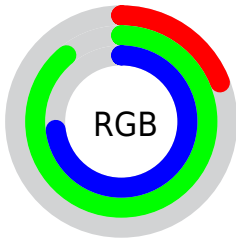
Format	Color
<a href="#">RYB</a>	<a href="#">49, 150, 227</a>
Decimal	<a href="#">3269562</a>
CIELab	<a href="#">81.37, -52.63, 7.76</a>
CIELCh	<a href="#">81, 53.196, 171.616</a>
Yxy	<a href="#">59.1363, 0.2464, 0.3875</a>
Android (android.graphics.Color)	<a href="#">4281459642</a> ( <a href="#">0xFF31E3BA</a> )
YUV	<a href="#">169.1040, 8.3297, -105.3312</a>
Hunter-Lab	<a href="#">76.9001, -47.2913, 10.7540</a>

# Details

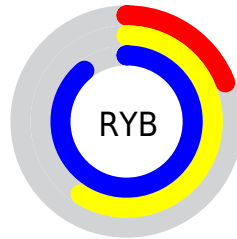
The Yxy color **59.1363, 0.2464, 0.3875** is a light color, and the websafe version is hex **00CC99**. The color can be described as light washed spring green. A complement of this color would be **19.2861, 0.5285, 0.2942**, and the grayscale version is **39.7516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2159, 0.2514, 0.3440**, and **30.4429, 0.2444, 0.3998** is the 20% darker color. If you saturate the color by 10%, you get **58.4882, 0.2453, 0.3961**, and if you desaturate by 10%, it is **60.0814, 0.2495, 0.3789**.

# Distribution



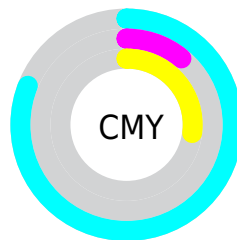
- Red (19%)
- Green (89%)
- Blue (73%)



- Red (19%)
- Yellow (59%)
- Blue (89%)



- Cyan (78%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)




- Cyan (81%)
- Magenta (11%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.1363, 0.2464, 0.3875 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 59.1363, 0.2464, 0.3875 by changing the saturation by 10% instead.



 59.1363, 0.2464,  
0.3875


 59.1363, 0.2464,  
0.3875


 421.4068, 0.2784,  
0.3586

 42.7229, 0.2388,  
0.3946


 103.5757, 0.2578,  
0.3771

 29.6677, 0.2292,  
0.4036


 132.3705, 0.2621,  
0.3731


 19.5865, 0.2168,  
0.4155


 166.0612, 0.2658,  
0.3698

 12.0948, 0.2002,  
0.4318

 205.0322, 0.2690,  
0.3669

 6.8083, 0.1770,  
0.4554

 249.6678, 0.2718,  
0.3644

 3.3425, 0.1428,  
0.4924

 300.3525, 0.2743,

 1.3131, 0.0000,

0.3622

0.6133

357.4708, 0.2765,  
0.3603

■ 0.1513, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.1363, 0.2464,  
0.3875

■ 59.1363, 0.2464,  
0.3875

■ 58.4882, 0.2453,  
0.3961

■ 60.0814, 0.2495,  
0.3789


■ 58.0758, 0.2459,  
0.4046


■ 61.3542, 0.2546,  
0.3704


■ 58.0168, 0.2461,  
0.4060


■ 62.9888, 0.2615,  
0.3622


■ 65.0134, 0.2700,  
0.3544

 67.4533, 0.2799,  
0.3470

 70.3314, 0.2909,  
0.3401

 73.6693, 0.3026,  
0.3338

 77.4868, 0.3148,  
0.3281

 81.8029, 0.3272,  
0.3230

# Harmonies

## Analogous

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



59.1363, 0.3074, 0.4427



59.1363, 0.2464, 0.3875



59.1363, 0.2059, 0.3156

# Triad

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



59.1363, 0.2464, 0.3875



59.1363, 0.2448, 0.2246



59.1363, 0.4493, 0.3766

# Complementary

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



59.1363, 0.2464, 0.3875



19.2861, 0.5285, 0.2942

# 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.



59.1363, 0.4313, 0.3249



59.1363, 0.2464, 0.3875



59.1363, 0.3058, 0.2422

# Square

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



59.1363, 0.2464, 0.3875



59.1363, 0.2058, 0.2290



59.1363, 0.3762, 0.2777



59.1363, 0.4261, 0.4244

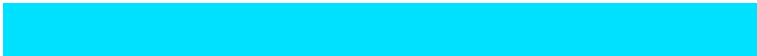


# Rectangle

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



59.1363, 0.2464, 0.3875



59.1363, 0.1939, 0.2750



59.1363, 0.3762, 0.2777



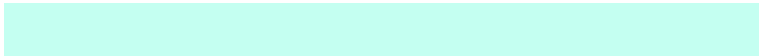
59.1363, 0.4481, 0.3593

# Sweetspot

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



59.1386, 0.2464, 0.3875



89.6816, 0.2855, 0.3433



57.3684, 0.3168, 0.5626



18.9115, 0.2815, 0.3459



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.



59.1386, 0.2464, 0.3875



75.7798, 0.2455, 0.4014



38.6793, 0.2112, 0.2604



16.2765, 0.3012, 0.3345



33.8553, 0.2458, 0.4047



2.5157, 0.2423, 0.3923



# Inverse Universe

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



19.2861, 0.5285, 0.2942



22.0601, 0.5867, 0.3042



25.0323, 0.5416, 0.3717



14.4222, 0.3256, 0.3236



9.6856, 0.5983, 0.3070

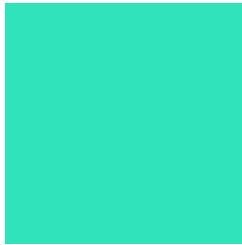


0.7298, 0.5574, 0.2844



# Previews

## White Background



This preview shows how the Yxy color 59.1363, 0.2464, 0.3875 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 59.1363, 0.2464, 0.3875 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

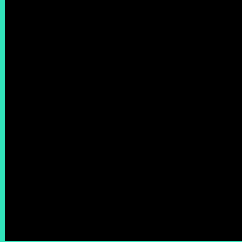
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

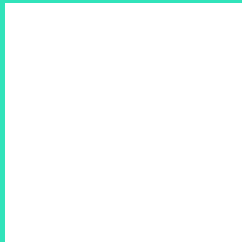
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.1363, 0.2464, 0.3875**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.1363, 0.2464, 0.3875.



This preview shows how white text looks on a background with the Yxy color 59.1363, 0.2464, 0.3875.

# 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

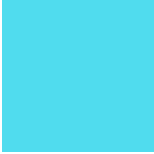
59.1363, 0.2464, 0.3875

### Protanopia

57.9887, 0.3417, 0.3624

### Deuteranopia

57.9634, 0.3364, 0.3302



## Tritanopia

59.0649, 0.2293, 0.3055

# Trichromacy



## Original Color

59.1363, 0.2464, 0.3875



## Protanomaly

55.9429, 0.2930, 0.3731



## Deuteranomaly

55.2312, 0.2893, 0.3499



## Tritanomaly

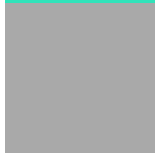
59.1550, 0.2352, 0.3342

# Monochromacy



## Original Color

59.1363, 0.2464, 0.3875



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

44.2820, 0.2743, 0.3510

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.1363, 0.2464, 0.3875 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(49, 227, 186)` looks like.

```
.text, #text, p{  
    color:rgb(49, 227, 186)  
}
```

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(49, 227, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 227, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 59.1363, 0.2464, 0.3875 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(49, 227, 186) }
```

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

```
.border{ border-color:rgb(49, 227, 186) }
```

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

Here you see how a box with a 4 pixel rgb(49, 227, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 227, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 227, 186);  
box-shadow:4px 4px 4px 4px rgb(49, 227,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.1363, 0.2464, 0.3875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 227, 186) }
```

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

```
.background{ background-color: rgb(49, 227,  
186) }
```

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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