

# Converting Colors

$Y_{xy}(60.2915, 0.2511, 0.3970)$

Have a look what the booklet for  
Yxy(60.2915, 0.2511, 0.3970)  
contains.

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# Color

**Yxy(60.2744, 0.2512, 0.3973)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3AE5B5
RGB	58, 229, 181
RGB Percent	23%, 90%, 71%
CMY	0.7719, 0.1020, 0.2903
CMYK	0.75, 0.00, 0.21, 0.10
HSL	163°, 77%, 56%
HSV	163°, 75%, 90%
XYZ	38.1096, 60.2744, 53.3261
YIQ	172.3990, -86.5080, -51.1800

# Conversions

## Conversions Part 2

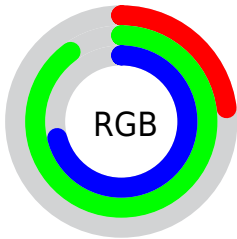
<b>Format</b>	<b>Color</b>
<b>RYB</b>	58, 157, 229
Decimal	3859893
CIELab	81.99, -53.66, 11.29
CIELCh	82, 54.838, 168.114
Yxy	60.2744, 0.2512, 0.3973
Android (android.graphics.Color)	4282049973 (0xFF3AE5B5)
YUV	172.3990, 4.2403, -100.3279
Hunter-Lab	77.6366, -48.2435, 13.6212

# Details

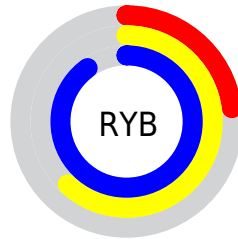
The Yxy color **60.2744, 0.2512, 0.3973** is a light color, and the websafe version is hex **00CC99**. The color can be described as light washed spring green. A complement of this color would be **20.7459, 0.4995, 0.2843**, and the grayscale version is **41.5034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3016, 0.2555, 0.3499**, and **31.0636, 0.2482, 0.4134** is the 20% darker color. If you saturate the color by 10%, you get **59.4760, 0.2498, 0.4080**, and if you desaturate by 10%, it is **61.3950, 0.2546, 0.3866**.

# Distribution



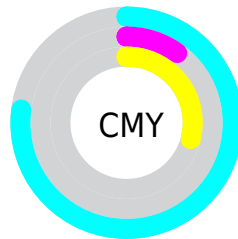
- Red (23%)
- Green (90%)
- Blue (71%)



- Red (23%)
- Yellow (62%)
- Blue (90%)



- Cyan (75%)
- Magenta (0%)
- Yellow (21%)
- Black (10%)



- Cyan (77%)
- Magenta (10%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.2744, 0.2512, 0.3973 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 60.2744, 0.2512, 0.3973 by changing the saturation by 10% instead.




 60.2744, 0.2512,  
0.3973


 60.2744, 0.2512,  
0.3973


425.6085, 0.2811,  
0.3633

 43.6398, 0.2440,  
0.4057

 105.2276, 0.2619,  
0.3850

 30.3875, 0.2349,  
0.4165


 134.3151, 0.2659,  
0.3803

 20.1329, 0.2232,  
0.4307


 168.3223, 0.2694,  
0.3764

 12.4917, 0.2073,  
0.4504

 207.6336, 0.2724,  
0.3730

 7.0795, 0.1850,  
0.4791

252.6335, 0.2750,  
0.3701

 3.5118, 0.1515,  
0.5247

303.7064, 0.2773,

 1.4044, 0.0000,

0.3675

0.6819

361.2366, 0.2793,  
0.3653

■ 0.2200, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.2744, 0.2512,  
0.3973

■ 60.2744, 0.2512,  
0.3973

■ 59.4760, 0.2498,  
0.4080

■ 61.3950, 0.2546,  
0.3866

■ 58.9486, 0.2503,  
0.4186


■ 62.8666, 0.2600,  
0.3762


■ 58.7397, 0.2512,  
0.4243


■ 64.7227, 0.2671,  
0.3662


■ 66.9909, 0.2757,  
0.3567

 69.6962, 0.2855,  
0.3478

 72.8615, 0.2961,  
0.3396

 76.5082, 0.3074,  
0.3322

 80.6563, 0.3190,  
0.3255

 83.5238, 0.3243,  
0.3193

# Harmonies

## Analogous

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



60.2744, 0.3150, 0.4497



60.2744, 0.2512, 0.3973



60.2744, 0.2070, 0.3233

# Triad

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



60.2744, 0.2512, 0.3973



60.2744, 0.2373, 0.2217



60.2744, 0.4527, 0.3711

# Complementary

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



60.2744, 0.2512, 0.3973



20.7459, 0.4995, 0.2843

# 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.



60.2744, 0.4293, 0.3186



60.2744, 0.2512, 0.3973



60.2744, 0.2974, 0.2373

# Square

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



60.2744, 0.2512, 0.3973



60.2744, 0.2006, 0.2290



60.2744, 0.3695, 0.2715



60.2744, 0.4332, 0.4211

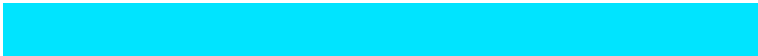


# Rectangle

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



60.2744, 0.2512, 0.3973



60.2744, 0.1926, 0.2800



60.2744, 0.3695, 0.2715



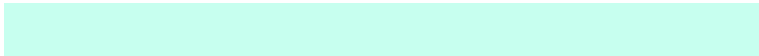
60.2744, 0.4498, 0.3534

# Sweetspot

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



60.2768, 0.2512, 0.3973



89.8940, 0.2880, 0.3457



59.4436, 0.3225, 0.5509



19.0188, 0.2852, 0.3480



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.



60.2768, 0.2512, 0.3973



75.4718, 0.2499, 0.4143



44.2545, 0.2174, 0.2769



16.2637, 0.3019, 0.3357



33.6070, 0.2507, 0.4227



2.4991, 0.2465, 0.4072



# Inverse Universe

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



20.7459, 0.4995, 0.2843



22.7154, 0.5575, 0.2915



25.1826, 0.5367, 0.3634



14.4343, 0.3248, 0.3224



9.7561, 0.5822, 0.2981

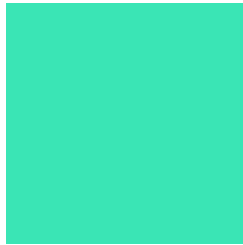


0.7364, 0.5405, 0.2751



# Previews

## White Background



This preview shows how the Yxy color 60.2744, 0.2512, 0.3973 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 60.2744, 0.2512, 0.3973 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

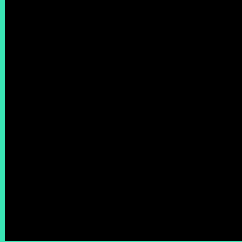
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

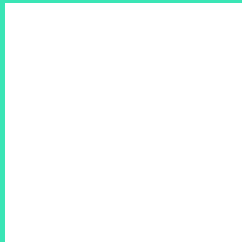
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.2744, 0.2512, 0.3973**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.2744, 0.2512, 0.3973.

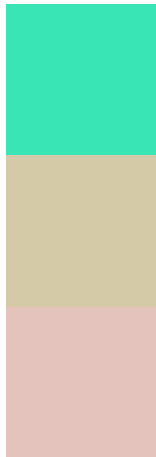


This preview shows how white text looks on a background with the Yxy color 60.2744, 0.2512, 0.3973.

# 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

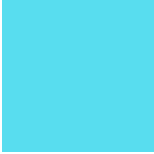
60.2744, 0.2512, 0.3973

### Protanopia

59.1772, 0.3476, 0.3704

### Deuteranopia

58.9919, 0.3443, 0.3370



## **Tritanopia**

60.0196, 0.2316, 0.3057

# Trichromacy



## Original Color

60.2744, 0.2512, 0.3973



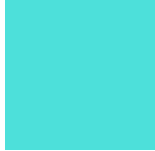
## Protanomaly

57.2336, 0.2996, 0.3820



## Deuteranomaly

56.2354, 0.2975, 0.3575



## Tritanomaly

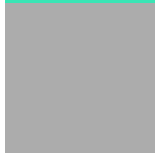
59.9510, 0.2381, 0.3368

# Monochromacy



## Original Color

60.2744, 0.2512, 0.3973



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

46.0604, 0.2787, 0.3549

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.2744, 0.2512, 0.3973 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(58, 229, 181)` looks like.

```
.text, #text, p{  
    color:rgb(58, 229, 181)  
}
```

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(58, 229, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 229, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 60.2744, 0.2512, 0.3973 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(58, 229, 181) }
```

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

```
.border{ border-color:rgb(58, 229, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 229, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 229, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 229, 181);  
box-shadow:4px 4px 4px 4px rgb(58, 229,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.2744, 0.2512, 0.3973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 229, 181) }
```

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

```
.background{ background-color: rgb(58, 229,  
181) }
```

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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