

# Converting Colors

$Yxy(60.8103, 0.2585, 0.4050)$

Have a look what the booklet for  
Yxy(60.8103, 0.2585, 0.4050)  
contains.

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# Color

**Yxy(60.6691, 0.2581, 0.4040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BE5B0
RGB	75, 229, 176
RGB Percent	29%, 90%, 69%
CMY	0.7058, 0.1020, 0.3098
CMYK	0.67, 0.00, 0.23, 0.10
HSL	159°, 75%, 60%
HSV	159°, 67%, 90%
XYZ	38.7591, 60.6691, 50.7428
YIQ	176.9120, -74.7710, -49.1310

# Conversions

## Conversions Part 2

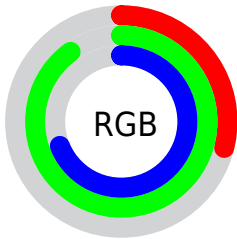
Format	Color
<a href="#">RYB</a>	<a href="#">75, 168, 229</a>
Decimal	<a href="#">4974000</a>
CIELab	<a href="#">82.20, -52.50, 14.25</a>
CIElCh	<a href="#">82, 54.399, 164.813</a>
Yxy	<a href="#">60.6691, 0.2581, 0.4040</a>
Android (android.graphics.Color)	<a href="#">4283164080 (0xFF4BE5B0)</a>
YUV	<a href="#">176.9120, -0.4496, -89.3768</a>
Hunter-Lab	<a href="#">77.8904, -47.4845, 15.8979</a>

# Details

The Yxy color **60.6691, 0.2581, 0.4040** 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 **23.2540, 0.4564, 0.2740**, and the grayscale version is **43.9552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9216, 0.2622, 0.3556**, and **30.9351, 0.2510, 0.4237** is the 20% darker color. If you saturate the color by 10%, you get **59.6049, 0.2557, 0.4174**, and if you desaturate by 10%, it is **62.0884, 0.2624, 0.3909**.

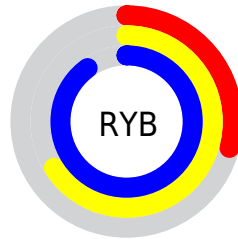
# Distribution



Red (29%)

Green (90%)

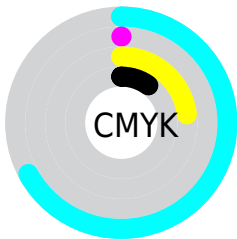
Blue (69%)



Red (29%)

Yellow (66%)

Blue (90%)

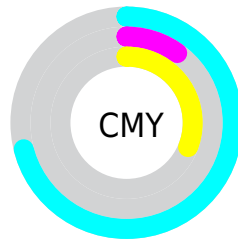


Cyan (67%)

Magenta (0%)

Yellow (23%)

Black (10%)



Cyan (71%)

Magenta (10%)


Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.6691, 0.2581, 0.4040 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 60.6691, 0.2581, 0.4040 by changing the saturation by 10% instead.





 60.6691, 0.2581,  
0.4040


 60.6691, 0.2581,  
0.4040


427.0597, 0.2849,  
0.3664


 43.9582, 0.2516,  
0.4134


 105.7997, 0.2677,  
0.3903


 30.6376, 0.2433,  
0.4254


 134.9881, 0.2714,  
0.3852

 20.3231, 0.2325,  
0.4414


 169.1045, 0.2745,  
0.3809

 12.6301, 0.2178,  
0.4635

 208.5333, 0.2772,  
0.3771

 7.1743, 0.1968,  
0.4960

253.6588, 0.2795,  
0.3739

 3.5714, 0.1647,  
0.5481

304.8654, 0.2815,

 1.4368, 0.0011,

0.3711

362.5376, 0.2833,  
0.3686

0.7509

0.2436, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

60.6691, 0.2581,  
0.4040

60.6691, 0.2581,  
0.4040

59.6049, 0.2557,  
0.4174

62.0884, 0.2624,  
0.3909

58.8507, 0.2554,  
0.4307


63.8880, 0.2686,  
0.3782


58.3592, 0.2570,  
0.4438


66.0987, 0.2762,  
0.3662

58.2474, 0.2576,  
0.4474

68.7463, 0.2850,  
0.3549

 71.8544, 0.2947,  
0.3446

 75.4449, 0.3050,  
0.3352

 79.5383, 0.3157,  
0.3268

 83.5354, 0.3242,  
0.3191

 84.0117, 0.3190,  
0.3115

# Harmonies

## Analogous

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



60.6691, 0.3226, 0.4513



60.6691, 0.2581, 0.4040



60.6691, 0.2115, 0.3313

# Triad

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



60.6691, 0.2581, 0.4040



60.6691, 0.2328, 0.2223



60.6691, 0.4509, 0.3651

# Complementary

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



60.6691, 0.2581, 0.4040



23.2540, 0.4564, 0.2740

# 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.



60.6691, 0.4230, 0.3132



60.6691, 0.2581, 0.4040



60.6691, 0.2902, 0.2354

# Square

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



60.6691, 0.2581, 0.4040



60.6691, 0.1992, 0.2322



60.6691, 0.3612, 0.2676



60.6691, 0.4361, 0.4154

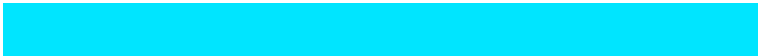


# Rectangle

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



60.6691, 0.2581, 0.4040



60.6691, 0.1952, 0.2870



60.6691, 0.3612, 0.2676



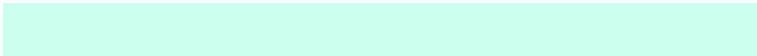
60.6691, 0.4464, 0.3476

# Sweetspot

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



60.6715, 0.2581, 0.4040



90.4979, 0.2919, 0.3475



61.2090, 0.3305, 0.5277



19.1277, 0.2891, 0.3504



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.



60.6715, 0.2581, 0.4040



75.6160, 0.2554, 0.4230



51.2519, 0.2269, 0.2974



16.2477, 0.3027, 0.3372



33.3259, 0.2571, 0.4454



2.4800, 0.2517, 0.4263



# Inverse Universe

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



23.2540, 0.4564, 0.2740



24.7560, 0.5051, 0.2738



25.9259, 0.5161, 0.3525



14.4495, 0.3239, 0.3209



9.8659, 0.5593, 0.2855

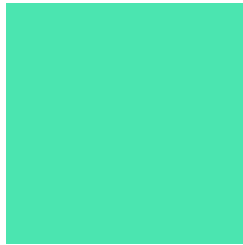


0.7460, 0.5185, 0.2630



# Previews

## White Background



This preview shows how the Yxy color 60.6691, 0.2581, 0.4040 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

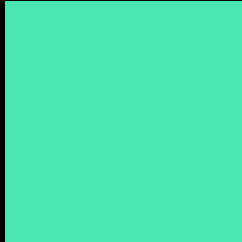
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.6691, 0.2581, 0.4040 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

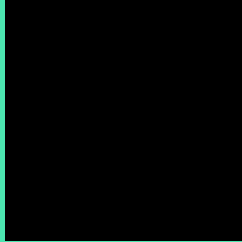
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.6691, 0.2581, 0.4040**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.6691, 0.2581, 0.4040.

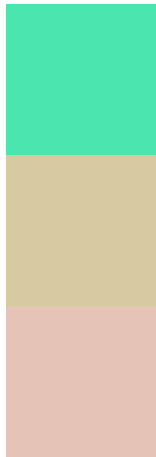


This preview shows how white text looks on a background with the Yxy color 60.6691, 0.2581, 0.4040.

# 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

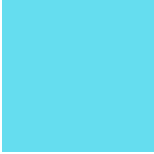
60.6691, 0.2581, 0.4040

### Protanopia

59.3325, 0.3523, 0.3749

### Deuteranopia

59.1071, 0.3500, 0.3426



## **Tritanopia**

60.7116, 0.2359, 0.3060

# Trichromacy



## Original Color

60.6691, 0.2581, 0.4040



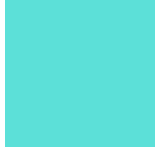
## Protanomaly

57.8066, 0.3071, 0.3866



## Deuteranomaly

56.8052, 0.3059, 0.3636



## Tritanomaly

60.5445, 0.2437, 0.3394

# Monochromacy



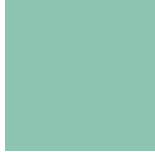
## Original Color

60.6691, 0.2581, 0.4040



## Achromatopsia

43.9657, 0.3127, 0.3290



## Achromatomaly

48.2296, 0.2839, 0.3557

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.6691, 0.2581, 0.4040 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(75, 229, 176)` looks like.

```
.text, #text, p{  
    color:rgb(75, 229, 176)  
}
```

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(75, 229, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 229, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 60.6691, 0.2581, 0.4040 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(75, 229, 176) }
```

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

```
.border{ border-color:rgb(75, 229, 176) }
```

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

Here you see how a box with a 4 pixel rgb(75, 229, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 229, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 229, 176);  
box-shadow:4px 4px 4px 4px rgb(75, 229,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.6691, 0.2581, 0.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 229, 176) }
```

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

```
.background{ background-color: rgb(75, 229,  
176) }
```

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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