

# Converting Colors

$Y_{xy}(56.3805, 0.2740, 0.3802)$

Have a look what the booklet for  
Yxy(56.3805, 0.2740, 0.3802)  
contains.

<b>Yxy(56.5040, 0.2740, 0.3802)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(56.5040, 0.2740, 0.3802)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AD8B3
RGB	122, 216, 179
RGB Percent	48%, 85%, 70%
CMY	0.5214, 0.1529, 0.2982
CMYK	0.43, 0.00, 0.17, 0.15
HSL	156°, 55%, 66%
HSV	156°, 43%, 85%
XYZ	40.7209, 56.5040, 51.3916
YIQ	183.6760, -44.1470, -31.4350

# Conversions

## Conversions Part 2

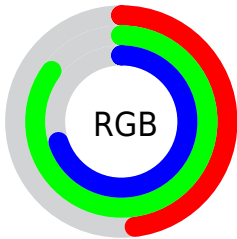
<b>Format</b>	<b>Color</b>
<b>RYB</b>	122, 181, 216
Decimal	8050867
CIELab	79.90, -36.43, 9.63
CIELCh	80, 37.679, 165.199
Yxy	56.5040, 0.2740, 0.3802
Android (android.graphics.Color)	4286240947 (0xFF7AD8B3)
YUV	183.6760, -2.3053, -54.0899
Hunter-Lab	75.1691, -34.8483, 12.0831

# Details

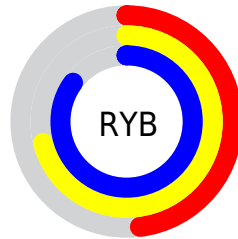
The Yxy color **56.5040, 0.2740, 0.3802** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **31.0358, 0.3804, 0.2842**, and the grayscale version is **47.7819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9831, 0.2789, 0.3510**, and **28.1543, 0.2638, 0.3960** is the 20% darker color. If you saturate the color by 10%, you get **54.7663, 0.2677, 0.3946**, and if you desaturate by 10%, it is **58.6180, 0.2816, 0.3667**.

# Distribution



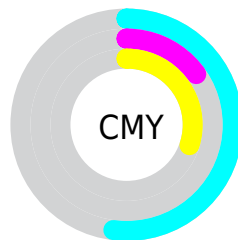
- Red (48%)
- Green (85%)
- Blue (70%)



- Red (48%)
- Yellow (71%)
- Blue (85%)



- Cyan (43%)
- Magenta (0%)
- Yellow (17%)
- Black (15%)




- Cyan (52%)
- Magenta (15%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.5040, 0.2740, 0.3802 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 56.5040, 0.2740, 0.3802 by changing the saturation by 10% instead.





 56.5040, 0.2740,  
0.3802


 56.5040, 0.2740,  
0.3802

411.5881, 0.2931,  
0.3546

 40.6072, 0.2693,  
0.3866


 99.7411, 0.2809,  
0.3709

 28.0123, 0.2633,  
0.3948


 127.8501, 0.2835,  
0.3674

 18.3349, 0.2555,  
0.4058


 160.7987, 0.2857,  
0.3644

 11.1907, 0.2447,  
0.4210

198.9712, 0.2876,  
0.3619

 6.1952, 0.2290,  
0.4436

242.7520, 0.2892,  
0.3597

 2.9642, 0.2042,  
0.4806

292.5254, 0.2907,

 1.1131, 0.0853,

0.3578

0.6233

348.6760, 0.2920,  
0.3561

0.0000, 0.0000,  
0.0000

56.5040, 0.2740,  
0.3802

56.5040, 0.2740,  
0.3802

54.7663, 0.2677,  
0.3946

58.6180, 0.2816,  
0.3667

53.3741, 0.2631,  
0.4096

61.1231, 0.2902,  
0.3541

52.3030, 0.2603,  
0.4250

64.0415, 0.2995,  
0.3427

51.5223, 0.2596,  
0.4404

67.3920, 0.3093,  
0.3324

50.9945, 0.2609,  
0.4555

71.1918, 0.3192,  
0.3231

 50.7468, 0.2625,  
0.4651

 75.4575, 0.3291,  
0.3149

 76.5779, 0.3256,  
0.3067

 77.0918, 0.3198,  
0.2985

 77.5917, 0.3145,  
0.2910

# Harmonies

## Analogous

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



56.5040, 0.3211, 0.4129



56.5040, 0.2740, 0.3802



56.5040, 0.2390, 0.3315

# Triad

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



56.5040, 0.2740, 0.3802



56.5040, 0.2553, 0.2502



56.5040, 0.4111, 0.3588

# Complementary

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



56.5040, 0.2740, 0.3802



31.0358, 0.3804, 0.2842

# 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.



56.5040, 0.3912, 0.3196



56.5040, 0.2740, 0.3802



56.5040, 0.2980, 0.2598

# Square

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



56.5040, 0.2740, 0.3802



56.5040, 0.2292, 0.2588



56.5040, 0.3484, 0.2845



56.5040, 0.4018, 0.3946



# Rectangle

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



56.5040, 0.2740, 0.3802



56.5040, 0.2263, 0.3003



56.5040, 0.3484, 0.2845



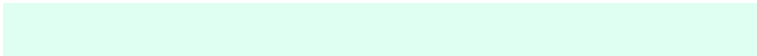
56.5040, 0.4076, 0.3457

# Sweetspot

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



56.5063, 0.2740, 0.3802



93.4328, 0.2999, 0.3423



57.9534, 0.3325, 0.4534



19.7832, 0.2978, 0.3447



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.



56.5063, 0.2740, 0.3802



79.9862, 0.2683, 0.3931



53.5333, 0.2520, 0.3163



14.0211, 0.3035, 0.3383



30.0588, 0.2619, 0.4629



1.8291, 0.2547, 0.4371



# Inverse Universe

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



31.0358, 0.3804, 0.2842



38.3594, 0.4021, 0.2757



32.3573, 0.4215, 0.3408



12.5011, 0.3230, 0.3198



9.0504, 0.5388, 0.2742



0.5619, 0.4928, 0.2488



# Previews

## White Background



This preview shows how the Yxy color 56.5040, 0.2740, 0.3802 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

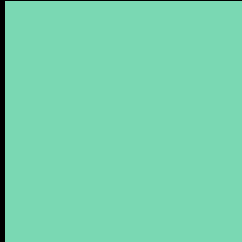
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.5040, 0.2740, 0.3802 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

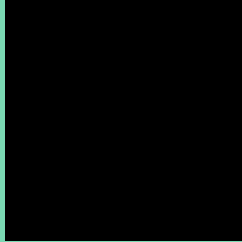
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

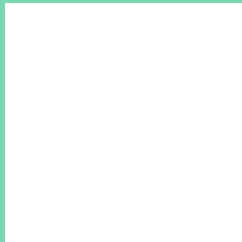
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.5040, 0.2740, 0.3802**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.5040, 0.2740, 0.3802.



This preview shows how white text looks on a background with the Yxy color 56.5040, 0.2740, 0.3802.

# 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

56.5040, 0.2740, 0.3802

### Protanopia

55.6098, 0.3424, 0.3617

### Deuteranopia

55.6598, 0.3434, 0.3360



## Tritanopia

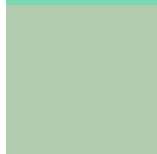
56.1602, 0.2535, 0.3071

# Trichromacy



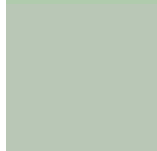
## Original Color

56.5040, 0.2740, 0.3802



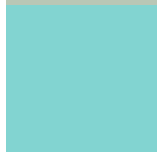
## Protanomaly

54.9591, 0.3132, 0.3678



## Deuteranomaly

54.5385, 0.3141, 0.3505



## Tritanomaly

56.4362, 0.2610, 0.3328

# Monochromacy



## Original Color

56.5040, 0.2740, 0.3802



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

50.4343, 0.2956, 0.3477

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  56.5040, 0.2740, 0.3802 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(122, 216, 179)` looks like.

```
.text, #text, p{  
    color:rgb(122, 216, 179)  
}
```

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(122, 216, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 216, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 56.5040, 0.2740, 0.3802 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(122, 216, 179) }
```

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

```
.border{ border-color:rgb(122, 216, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 216, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 216, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 216, 179);  
box-shadow:4px 4px 4px 4px rgb(122, 216,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.5040, 0.2740, 0.3802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 216, 179) }
```

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

```
.background{ background-color: rgb(122,  
216, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor