

# Converting Colors

$Yxy(53.5467, 0.2730, 0.3805)$

Have a look what the booklet for  
Yxy(53.5467, 0.2730, 0.3805)  
contains.

<b>Yxy(53.4656, 0.2727, 0.3800)</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(53.4656, 0.2727, 0.3800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75D3AF
RGB	117, 211, 175
RGB Percent	46%, 83%, 69%
CMY	0.5412, 0.1725, 0.3136
CMYK	0.45, 0.00, 0.17, 0.17
HSL	157°, 52%, 64%
HSV	157°, 45%, 83%
XYZ	38.3686, 53.4656, 48.8647
YIQ	178.7900, -44.4680, -31.1240

# Conversions

## Conversions Part 2

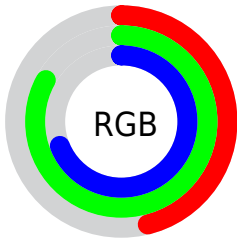
Format	Color
<b>RYB</b>	117, 175, 211
Decimal	7721903
CIELab	78.15, -36.29, 9.20
CIELCh	78, 37.434, 165.769
Yxy	53.4656, 0.2727, 0.3800
Android (android.graphics.Color)	4285911983 (0xFF75D3AF)
YUV	178.7900, -1.8685, -54.1898
Hunter-Lab	73.1202, -34.2954, 11.5618

# Details

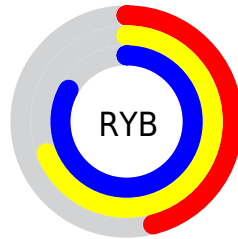
The Yxy color **53.4656, 0.2727, 0.3800** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.8691, 0.3840, 0.2845**, and the grayscale version is **44.9901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1738, 0.2783, 0.3557**, and **26.1677, 0.2611, 0.3943** is the 20% darker color. If you saturate the color by 10%, you get **51.8593, 0.2665, 0.3940**, and if you desaturate by 10%, it is **55.4245, 0.2803, 0.3668**.

# Distribution



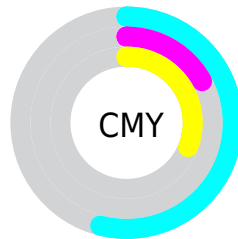
- Red (46%)
- Green (83%)
- Blue (69%)



- Red (46%)
- Yellow (69%)
- Blue (83%)



- Cyan (45%)
- Magenta (0%)
- Yellow (17%)
- Black (17%)




- Cyan (54%)
- Magenta (17%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4656, 0.2727, 0.3800 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 53.4656, 0.2727, 0.3800 by changing the saturation by 10% instead.





 53.4656, 0.2727,  
0.3800

 53.4656, 0.2727,  
0.3800


400.0689, 0.2926,  
0.3543


 38.1746, 0.2678,  
0.3865


 95.2891, 0.2799,  
0.3706

 26.1182, 0.2615,  
0.3949


 122.5905, 0.2826,  
0.3671

 16.9121, 0.2531,  
0.4061


 154.6640, 0.2849,  
0.3641

 10.1718, 0.2416,  
0.4219

191.8942, 0.2869,  
0.3616

 5.5130, 0.2246,  
0.4457

234.6653, 0.2886,  
0.3594

 2.5513, 0.1973,  
0.4853

283.3619, 0.2901,

 0.9023, 0.0000,

0.3574

0.7269

338.3683, 0.2914,  
0.3558

0.0000, 0.0000,  
0.0000

53.4656, 0.2727,  
0.3800

53.4656, 0.2727,  
0.3800

51.8593, 0.2665,  
0.3940

55.4245, 0.2803,  
0.3668

50.5765, 0.2619,  
0.4085

57.7503, 0.2889,  
0.3546

49.5938, 0.2593,  
0.4234


60.4640, 0.2983,  
0.3434


48.8817, 0.2587,  
0.4383

63.5835, 0.3081,  
0.3333


48.4042, 0.2600,  
0.4530

67.1251, 0.3182,  
0.3242

 48.2087, 0.2613,  
0.4608

 71.1045, 0.3283,  
0.3161

 73.6514, 0.3310,  
0.3085

 74.1198, 0.3253,  
0.3006

 74.6096, 0.3197,  
0.2929

# Harmonies

## Analogous

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



53.4656, 0.3202, 0.4136



53.4656, 0.2727, 0.3800



53.4656, 0.2377, 0.3305

# Triad

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



53.4656, 0.2727, 0.3800



53.4656, 0.2553, 0.2494



53.4656, 0.4123, 0.3598

# Complementary

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



53.4656, 0.2727, 0.3800



28.8691, 0.3840, 0.2845

# 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.



53.4656, 0.3928, 0.3202



53.4656, 0.2727, 0.3800



53.4656, 0.2987, 0.2594

# Square

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



53.4656, 0.2727, 0.3800



53.4656, 0.2286, 0.2576



53.4656, 0.3498, 0.2846



53.4656, 0.4024, 0.3958



# Rectangle

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



53.4656, 0.2727, 0.3800



53.4656, 0.2251, 0.2991



53.4656, 0.3498, 0.2846



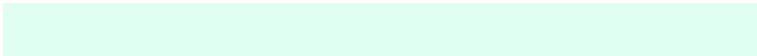
53.4656, 0.4090, 0.3466

# Sweetspot

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



53.4678, 0.2727, 0.3800



93.4555, 0.2997, 0.3419



54.6498, 0.3316, 0.4570



19.7888, 0.2975, 0.3443



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.



53.4678, 0.2727, 0.3800



79.8271, 0.2670, 0.3926



49.8098, 0.2505, 0.3138



13.3272, 0.3033, 0.3380



29.1133, 0.2607, 0.4586



1.6431, 0.2533, 0.4320



# Inverse Universe

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



28.8691, 0.3840, 0.2845



37.6193, 0.4066, 0.2764



30.5614, 0.4242, 0.3431



11.8821, 0.3231, 0.3201



8.7327, 0.5431, 0.2766

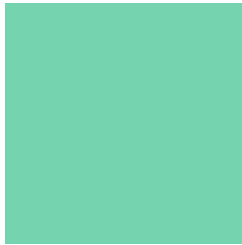


0.5036, 0.4935, 0.2492



# Previews

## White Background



This preview shows how the Yxy color 53.4656, 0.2727, 0.3800 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 53.4656, 0.2727, 0.3800 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 53.4656, 0.2727, 0.3800**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.4656, 0.2727, 0.3800.

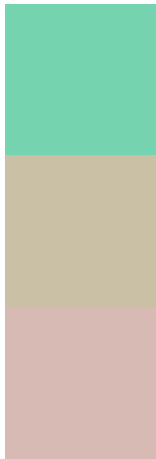


This preview shows how white text looks on a background with the Yxy color 53.4656, 0.2727, 0.3800.

# 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**

53.4656, 0.2727, 0.3800

**Protanopia**

52.9724, 0.3421, 0.3624

**Deuteranopia**

52.8602, 0.3423, 0.3362



## Tritanopia

53.5502, 0.2526, 0.3079

# Trichromacy



## Original Color

53.4656, 0.2727, 0.3800



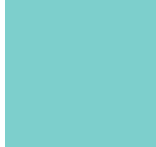
## Protanomaly

52.3693, 0.3124, 0.3687



## Deuteranomaly

51.8283, 0.3125, 0.3510



## Tritanomaly

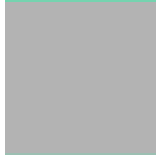
53.3453, 0.2600, 0.3329

# Monochromacy



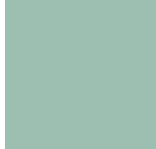
## Original Color

53.4656, 0.2727, 0.3800



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

47.5439, 0.2945, 0.3468

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.4656, 0.2727, 0.3800 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(117, 211, 175)` looks like.

```
.text, #text, p{  
    color:rgb(117, 211, 175)  
}
```

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(117, 211, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 211, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 53.4656, 0.2727, 0.3800 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(117, 211, 175) }
```

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

```
.border{ border-color:rgb(117, 211, 175) }
```

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

Here you see how a box with a 4 pixel rgb(117, 211, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 211, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 211, 175);  
box-shadow:4px 4px 4px 4px rgb(117, 211,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.4656, 0.2727, 0.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 211, 175) }
```

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

```
.background{ background-color: rgb(117,  
211, 175) }
```

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