

# Converting Colors

$Y_{xy}(54.7405, 0.2776, 0.3817)$

Have a look what the booklet for  
Yxy(54.7405, 0.2776, 0.3817)  
contains.

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# Color

**$\text{Yxy}(54.5421, 0.2774, 0.3807)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DD4AF
RGB	125, 212, 175
RGB Percent	49%, 83%, 69%
CMY	0.5096, 0.1686, 0.3138
CMYK	0.41, 0.00, 0.17, 0.17
HSL	154°, 50%, 66%
HSV	154°, 41%, 83%
XYZ	39.7425, 54.5421, 48.9833
YIQ	181.7690, -39.9750, -29.9510

# Conversions

## Conversions Part 2

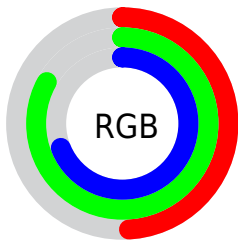
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">125, 180, 212</a>
Decimal	<a href="#">8246447</a>
CIELab	<a href="#">78.78, -34.63, 10.16</a>
CIELCh	<a href="#">79, 36.092, 163.648</a>
Yxy	<a href="#">54.5421, 0.2774, 0.3807</a>
Android (android.graphics.Color)	<a href="#">4286436527 (0xFF7DD4AF)</a>
YUV	<a href="#">181.7690, -3.3371, -49.7864</a>
Hunter-Lab	<a href="#">73.8526, -33.1854, 12.3723</a>

# Details

The Yxy color **54.5421, 0.2774, 0.3807** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **31.2866, 0.3716, 0.2834**, and the grayscale version is **46.6878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1133, 0.2825, 0.3554**, and **26.8461, 0.2672, 0.3950** is the 20% darker color. If you saturate the color by 10%, you get **52.7719, 0.2711, 0.3961**, and if you desaturate by 10%, it is **56.6809, 0.2849, 0.3663**.

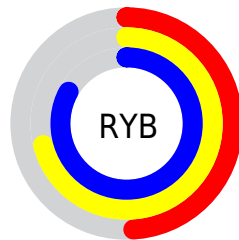
# Distribution



Red (49%)

Green (83%)

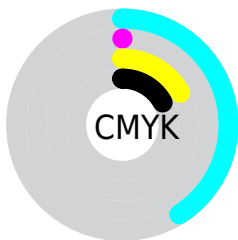
Blue (69%)



Red (49%)

Yellow (71%)

Blue (83%)

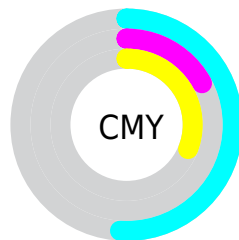


Cyan (41%)

Magenta (0%)

Yellow (17%)

Black (17%)



Cyan (51%)

Magenta (17%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.5421, 0.2774, 0.3807 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 54.5421, 0.2774, 0.3807 by changing the saturation by 10% instead.




 54.5421, 0.2774,  
0.3807


 54.5421, 0.2774,  
0.3807


404.1738, 0.2950,  
0.3546

 39.0352, 0.2730,  
0.3873


 96.8697, 0.2838,  
0.3712

 26.7871, 0.2674,  
0.3957


 124.4593, 0.2862,  
0.3676

 17.4134, 0.2600,  
0.4070


 156.8452, 0.2882,  
0.3646

 10.5297, 0.2498,  
0.4229

194.4119, 0.2899,  
0.3621

 5.7515, 0.2346,  
0.4468

237.5437, 0.2915,  
0.3598

 2.6946, 0.2102,  
0.4864

286.6250, 0.2928,

 0.9745, 0.0558,

0.3579

0.6960

342.0403, 0.2940,  
0.3562

■ 0.0000, 0.0000,  
0.0000

■ 54.5421, 0.2774,  
0.3807

■ 54.5421, 0.2774,  
0.3807

■ 52.7719, 0.2711,  
0.3961

■ 56.6809, 0.2849,  
0.3663

■ 51.3414, 0.2663,  
0.4123

■ 59.2022, 0.2934,  
0.3530

■ 50.2280, 0.2633,  
0.4289

■ 62.1268, 0.3024,  
0.3409


■ 49.4032, 0.2623,  
0.4456

■ 65.4725, 0.3118,  
0.3300


■ 48.8333, 0.2633,  
0.4620

■ 69.2556, 0.3212,  
0.3203

 48.4854, 0.2656,  
0.4763

 73.4919, 0.3306,  
0.3118

 74.5282, 0.3263,  
0.3030

 75.0725, 0.3200,  
0.2944

 75.5662, 0.3147,  
0.2871

# Harmonies

## Analogous

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



54.5421, 0.3235, 0.4111



54.5421, 0.2774, 0.3807



54.5421, 0.2425, 0.3340

# Triad

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



54.5421, 0.2774, 0.3807



54.5421, 0.2552, 0.2524



54.5421, 0.4077, 0.3562

# Complementary

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



54.5421, 0.2774, 0.3807



31.2866, 0.3716, 0.2834

# 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.



54.5421, 0.3870, 0.3180



54.5421, 0.2774, 0.3807



54.5421, 0.2961, 0.2608

# Square

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



54.5421, 0.2774, 0.3807



54.5421, 0.2307, 0.2618



54.5421, 0.3449, 0.2842



54.5421, 0.4003, 0.3912



# Rectangle

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



54.5421, 0.2774, 0.3807



54.5421, 0.2294, 0.3035



54.5421, 0.3449, 0.2842



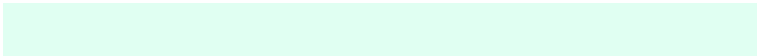
54.5421, 0.4038, 0.3434

# Sweetspot

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



54.5443, 0.2774, 0.3807



93.8406, 0.3014, 0.3422



56.3256, 0.3339, 0.4446



19.9545, 0.3002, 0.3437



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.



54.5443, 0.2774, 0.3807



80.5253, 0.2719, 0.3937



53.3566, 0.2556, 0.3211



14.0143, 0.3039, 0.3391



29.9535, 0.2650, 0.4741



1.8231, 0.2573, 0.4463



# Inverse Universe

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



31.2866, 0.3716, 0.2834



40.6672, 0.3900, 0.2744



31.6693, 0.4139, 0.3366



12.5077, 0.3225, 0.3191



9.1184, 0.5259, 0.2671



0.5664, 0.4819, 0.2428



# Previews

## White Background



This preview shows how the Yxy color 54.5421, 0.2774, 0.3807 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

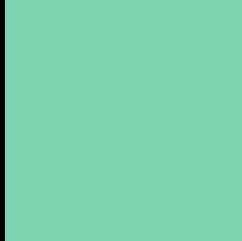
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.5421, 0.2774, 0.3807 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 54.5421, 0.2774, 0.3807**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.5421, 0.2774, 0.3807.

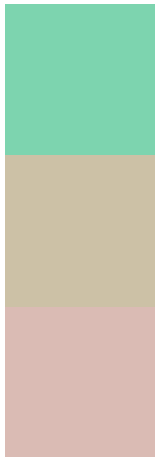


This preview shows how white text looks on a background with the Yxy color 54.5421, 0.2774, 0.3807.

# 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

54.5421, 0.2774, 0.3807

### Protanopia

53.7305, 0.3428, 0.3622

### Deuteranopia

53.7414, 0.3447, 0.3373



## Tritanopia

54.1708, 0.2559, 0.3069

# Trichromacy



## Original Color

54.5421, 0.2774, 0.3807



## Protanomaly

53.2871, 0.3155, 0.3695



## Deuteranomaly

52.8846, 0.3164, 0.3520



## Tritanomaly

54.4251, 0.2635, 0.3329

# Monochromacy



## Original Color

54.5421, 0.2774, 0.3807



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

48.9717, 0.2977, 0.3479

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.5421, 0.2774, 0.3807 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(125, 212, 175)` looks like.

```
.text, #text, p{  
    color:rgb(125, 212, 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(125, 212, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 212, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 54.5421, 0.2774, 0.3807 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(125, 212, 175) }
```

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

```
.border{ border-color:rgb(125, 212, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 212, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 212, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 212, 175);  
box-shadow:4px 4px 4px 4px rgb(125, 212,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.5421, 0.2774, 0.3807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 212, 175) }
```

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

```
.background{ background-color: rgb(125,  
212, 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](#).

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