

# Converting Colors

Yxy(51.7392, 0.2727, 0.3745)

Have a look what the booklet for  
Yxy(51.7392, 0.2727, 0.3745)  
contains.

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# Color

**Yxy(51.5723, 0.2726, 0.3747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76CFAF
RGB	118, 207, 175
RGB Percent	46%, 81%, 69%
CMY	0.5374, 0.1882, 0.3136
CMYK	0.43, 0.00, 0.15, 0.19
HSL	158°, 48%, 64%
HSV	158°, 43%, 81%
XYZ	37.5196, 51.5723, 48.5443
YIQ	176.7410, -42.7720, -28.8200

# Conversions

## Conversions Part 2

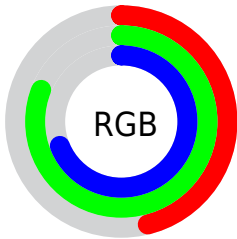
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	118, 172, 207
Decimal	7786415
CIE Lab	77.02, -34.18, 7.60
CIE LCh	77, 35.018, 167.467
Yxy	51.5723, 0.2726, 0.3747
Android (android.graphics.Color)	4285976495 (0xFF76CFAF)
YUV	176.7410, -0.8583, -51.5159
Hunter-Lab	71.8139, -32.4157, 10.1912

# Details

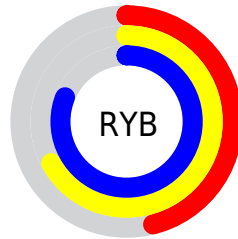
The Yxy color **51.5723, 0.2726, 0.3747** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.4156, 0.3830, 0.2886**, and the grayscale version is **43.8423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2882, 0.2788, 0.3557**, and **24.9107, 0.2609, 0.3870** is the 20% darker color. If you saturate the color by 10%, you get **49.9969, 0.2659, 0.3876**, and if you desaturate by 10%, it is **53.4859, 0.2806, 0.3625**.

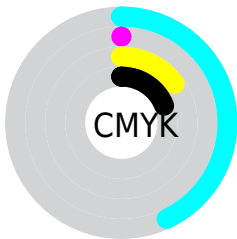
# Distribution



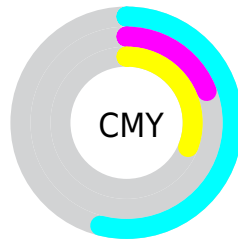
- Red (46%)
- Green (81%)
- Blue (69%)



- Red (46%)
- Yellow (67%)
- Blue (81%)



- Cyan (43%)
- Magenta (0%)
- Yellow (15%)
- Black (19%)




- Cyan (54%)
- Magenta (19%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5723, 0.2726, 0.3747 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 51.5723, 0.2726, 0.3747 by changing the saturation by 10% instead.




 51.5723, 0.2726,  
0.3747


 51.5723, 0.2726,  
0.3747


392.7832, 0.2926,  
0.3516


 36.6643, 0.2676,  
0.3806


 92.5002, 0.2798,  
0.3662

 24.9477, 0.2613,  
0.3881


 119.2888, 0.2826,  
0.3631

 16.0381, 0.2529,  
0.3983


 150.8064, 0.2849,  
0.3604

 9.5511, 0.2412,  
0.4126

187.4374, 0.2869,  
0.3581

 5.1023, 0.2240,  
0.4342

229.5662, 0.2886,  
0.3562

 2.3074, 0.1962,  
0.4705

277.5772, 0.2901,

 0.7776, 0.0000,

0.3544

0.7114

331.8547, 0.2914,  
0.3529

0.0000, 0.0000,  
0.0000

51.5723, 0.2726,  
0.3747

51.5723, 0.2726,  
0.3747

49.9969, 0.2659,  
0.3876

53.4859, 0.2806,  
0.3625

48.7322, 0.2609,  
0.4011

55.7508, 0.2896,  
0.3513

47.7565, 0.2578,  
0.4150


58.3871, 0.2994,  
0.3410

47.0423, 0.2566,  
0.4289

61.4112, 0.3096,  
0.3316


46.5567, 0.2575,  
0.4426

64.8389, 0.3200,  
0.3233

 46.3129, 0.2589,  
0.4521

 68.6848, 0.3304,  
0.3158

 71.4395, 0.3348,  
0.3089

 71.8592, 0.3293,  
0.3015

 72.2970, 0.3240,  
0.2944

# Harmonies

## Analogous

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



51.5723, 0.3174, 0.4077



51.5723, 0.2726, 0.3747



51.5723, 0.2401, 0.3279

# Triad

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



51.5723, 0.2726, 0.3747



51.5723, 0.2602, 0.2533



51.5723, 0.4072, 0.3607

# Complementary

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



51.5723, 0.2726, 0.3747



28.4156, 0.3830, 0.2886

# 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.



51.5723, 0.3902, 0.3229



51.5723, 0.2726, 0.3747



51.5723, 0.3023, 0.2637

# Square

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



51.5723, 0.2726, 0.3747



51.5723, 0.2336, 0.2603



51.5723, 0.3505, 0.2885



51.5723, 0.3965, 0.3943



# Rectangle

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



51.5723, 0.2726, 0.3747



51.5723, 0.2288, 0.2986



51.5723, 0.3505, 0.2885



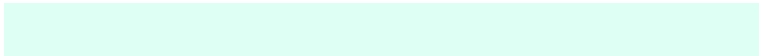
51.5723, 0.4046, 0.3482

# Sweetspot

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



51.5744, 0.2726, 0.3747



93.5025, 0.2992, 0.3411



52.4789, 0.3300, 0.4524



19.8005, 0.2970, 0.3433



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.



51.5744, 0.2726, 0.3747



80.2098, 0.2662, 0.3871



47.4453, 0.2520, 0.3124



13.3320, 0.3030, 0.3375



29.1955, 0.2584, 0.4502



1.6473, 0.2515, 0.4252



# Inverse Universe

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



28.4156, 0.3830, 0.2886



38.1811, 0.4076, 0.2804



30.4958, 0.4175, 0.3445



11.8774, 0.3235, 0.3207



8.6889, 0.5524, 0.2817



0.5008, 0.5015, 0.2536



# Previews

## White Background



This preview shows how the Yxy color 51.5723, 0.2726, 0.3747 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 51.5723, 0.2726, 0.3747 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 51.5723, 0.2726, 0.3747**

## Background



This preview shows how black text looks on a background with the Yxy color 51.5723, 0.2726, 0.3747.



This preview shows how white text looks on a background with the Yxy color 51.5723, 0.2726, 0.3747.

# 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

51.5723, 0.2726, 0.3747

### Protanopia

51.1176, 0.3392, 0.3592

### Deuteranopia

51.0111, 0.3394, 0.3327



## Tritanopia

51.4502, 0.2539, 0.3076

# Trichromacy



## Original Color

51.5723, 0.2726, 0.3747



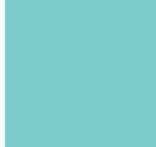
## Protanomaly

50.7794, 0.3110, 0.3651



## Deuteranomaly

50.2607, 0.3111, 0.3473



## Tritanomaly

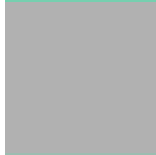
51.3361, 0.2603, 0.3302

# Monochromacy



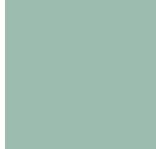
## Original Color

51.5723, 0.2726, 0.3747



## Achromatopsia

43.9657, 0.3127, 0.3290



## Achromatomaly

46.1689, 0.2959, 0.3456

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5723, 0.2726, 0.3747 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(118, 207, 175)` looks like.

```
.text, #text, p{  
    color:rgb(118, 207, 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(118, 207, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 207, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5723, 0.2726, 0.3747 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(118, 207, 175) }
```

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

```
.border{ border-color:rgb(118, 207, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 207, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 207, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 207, 175);  
box-shadow:4px 4px 4px 4px rgb(118, 207,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5723, 0.2726, 0.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 207, 175) }
```

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

```
.background{ background-color: rgb(118,  
207, 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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