

# Converting Colors

$Yxy(46.4881, 0.2727, 0.3780)$

Have a look what the booklet for  
Yxy(46.4881, 0.2727, 0.3780)  
contains.

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# Color

**Yxy(46.4843, 0.2731, 0.3785)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FC6A5
RGB	111, 198, 165
RGB Percent	44%, 78%, 65%
CMY	0.5647, 0.2235, 0.3531
CMYK	0.44, 0.00, 0.17, 0.22
HSL	157°, 43%, 61%
HSV	157°, 44%, 78%
XYZ	33.5399, 46.4843, 42.7877
YIQ	168.2250, -41.2590, -28.7070

# Conversions

## Conversions Part 2

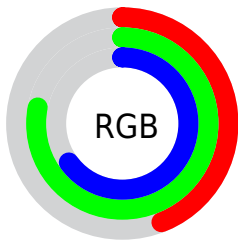
<b>Format</b>	<b>Color</b>
<b>RYB</b>	111, 165, 198
Decimal	7325349
CIELab	73.86, -33.99, 8.44
CIELCh	74, 35.025, 166.063
Yxy	46.4843, 0.2731, 0.3785
Android (android.graphics.Color)	4285515429 (0xFF6FC6A5)
YUV	168.2250, -1.5899, -50.1863
Hunter-Lab	68.1794, -31.5033, 10.5167

# Details

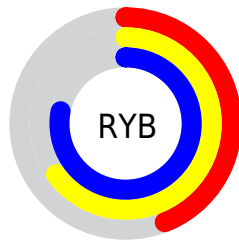
The Yxy color **46.4843, 0.2731, 0.3785** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **25.3930, 0.3825, 0.2856**, and the grayscale version is **39.2985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9028, 0.2807, 0.3688**, and **21.9510, 0.2614, 0.3950** is the 20% darker color. If you saturate the color by 10%, you get **45.0750, 0.2668, 0.3922**, and if you desaturate by 10%, it is **48.1981, 0.2808, 0.3656**.

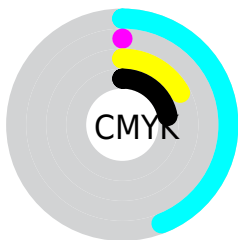
# Distribution



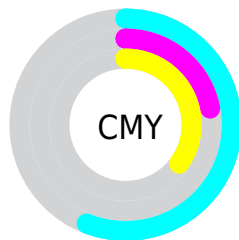
- Red (44%)
- Green (78%)
- Blue (65%)



- Red (44%)
- Yellow (65%)
- Blue (78%)



- Cyan (44%)
- Magenta (0%)
- Yellow (17%)
- Black (22%)




- Cyan (56%)
- Magenta (22%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4843, 0.2731, 0.3785 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 46.4843, 0.2731, 0.3785 by changing the saturation by 10% instead.




 46.4843, 0.2731,  
0.3785


 46.4843, 0.2731,  
0.3785

372.7523, 0.2933,  
0.3530

 32.6282, 0.2680,  
0.3851


 84.9433, 0.2805,  
0.3690

 21.8417, 0.2613,  
0.3938


 110.3150, 0.2833,  
0.3655

 13.7407, 0.2524,  
0.4057


 140.2940, 0.2856,  
0.3626

 7.9405, 0.2397,  
0.4227

175.2647, 0.2876,  
0.3601

 4.0569, 0.2204,  
0.4493

215.6115, 0.2893,  
0.3579

 1.7054, 0.1838,  
0.4988

261.7187, 0.2908,

 0.4272, 0.0000,

0.3561

1.0000

313.9709, 0.2921,  
0.3544

0.0000, 0.0000,  
0.0000

46.4843, 0.2731,  
0.3785

46.4843, 0.2731,  
0.3785

45.0750, 0.2668,  
0.3922

48.1981, 0.2808,  
0.3656

43.9454, 0.2621,  
0.4066

50.2283, 0.2895,  
0.3536

43.0756, 0.2592,  
0.4213


52.5930, 0.2989,  
0.3426


42.4407, 0.2584,  
0.4360

55.3073, 0.3088,  
0.3326

42.0107, 0.2595,  
0.4505


58.3852, 0.3188,  
0.3237

 41.8158, 0.2609,  
0.4591

 61.8400, 0.3289,  
0.3158

 65.6845, 0.3389,  
0.3088

 67.0931, 0.3373,  
0.3016

 67.5129, 0.3316,  
0.2942

# Harmonies

## Analogous

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



46.4843, 0.3197, 0.4117



46.4843, 0.2731, 0.3785



46.4843, 0.2388, 0.3301

# Triad

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



46.4843, 0.2731, 0.3785



46.4843, 0.2567, 0.2508



46.4843, 0.4104, 0.3597

# Complementary

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



46.4843, 0.2731, 0.3785



25.3930, 0.3825, 0.2856

# 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.



46.4843, 0.3915, 0.3208



46.4843, 0.2731, 0.3785



46.4843, 0.2995, 0.2608

# Square

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



46.4843, 0.2731, 0.3785



46.4843, 0.2303, 0.2588



46.4843, 0.3495, 0.2857



46.4843, 0.4005, 0.3950



# Rectangle

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



46.4843, 0.2731, 0.3785



46.4843, 0.2266, 0.2993



46.4843, 0.3495, 0.2857



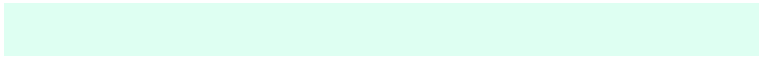
46.4843, 0.4073, 0.3468

# Sweetspot

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



46.4862, 0.2731, 0.3785



93.4615, 0.2996, 0.3418



47.5000, 0.3313, 0.4545



19.7903, 0.2975, 0.3442



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

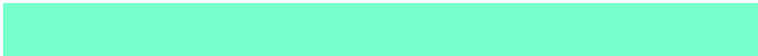


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.4862, 0.2731, 0.3785



79.8467, 0.2668, 0.3920



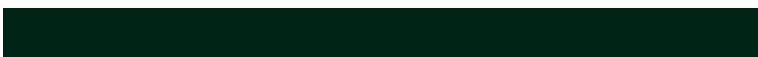
43.3625, 0.2514, 0.3141



11.9966, 0.3033, 0.3379



27.2096, 0.2603, 0.4572



1.3022, 0.2520, 0.4273



# Inverse Universe

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



25.3930, 0.3825, 0.2856



37.6036, 0.4071, 0.2768



26.8684, 0.4213, 0.3428



10.7025, 0.3231, 0.3203



8.1551, 0.5437, 0.2769

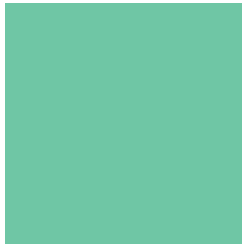


0.4002, 0.4871, 0.2457



# Previews

## White Background



This preview shows how the Yxy color 46.4843, 0.2731, 0.3785 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 46.4843, 0.2731, 0.3785 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

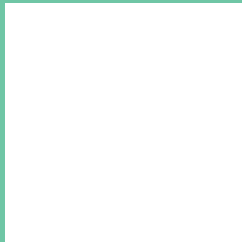
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.4843, 0.2731, 0.3785**

## Background



This preview shows how black text looks on a background with the Yxy color 46.4843, 0.2731, 0.3785.

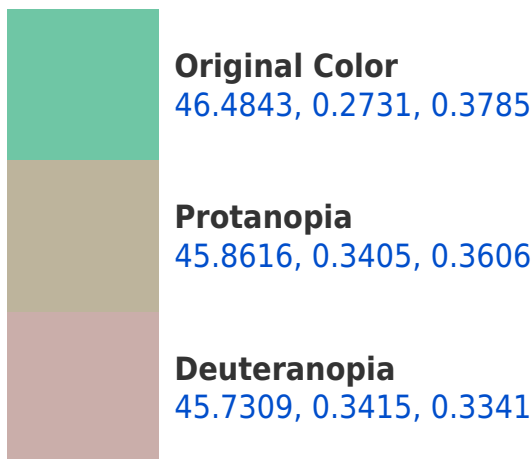


This preview shows how white text looks on a background with the Yxy color 46.4843, 0.2731, 0.3785.

# 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





## Tritanopia

46.3909, 0.2529, 0.3067

# Trichromacy



**Original Color**

46.4843, 0.2731, 0.3785

**Protanomaly**

45.6209, 0.3125, 0.3682

**Deuteranomaly**

45.1291, 0.3126, 0.3495

**Tritanomaly**

46.2409, 0.2602, 0.3317

# Monochromacy



**Original Color**

46.4843, 0.2731, 0.3785

**Achromatopsia**

39.1572, 0.3127, 0.3290

**Achromatomaly**

41.2333, 0.2951, 0.3464

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.4843, 0.2731, 0.3785 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(111, 198, 165)` looks like.

```
.text, #text, p{  
    color:rgb(111, 198, 165)  
}
```

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(111, 198, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 198, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 46.4843, 0.2731, 0.3785 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(111, 198, 165) }
```

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

```
.border{ border-color:rgb(111, 198, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 198, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 198, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 198, 165);  
box-shadow:4px 4px 4px 4px rgb(111, 198,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.4843, 0.2731, 0.3785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 198, 165) }
```

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

```
.background{ background-color: rgb(111,  
198, 165) }
```

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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