

# Converting Colors

$Yxy(46.7956, 0.2742, 0.3908)$

Have a look what the booklet for  
Yxy(46.7956, 0.2742, 0.3908)  
contains.

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# Color

**Yxy(46.8759, 0.2741, 0.3911)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6AC89F
RGB	106, 200, 159
RGB Percent	42%, 78%, 62%
CMY	0.5845, 0.2156, 0.3764
CMYK	0.47, 0.00, 0.20, 0.22
HSL	154°, 46%, 60%
HSV	154°, 47%, 78%
XYZ	32.8527, 46.8759, 40.1280
YIQ	167.2200, -42.8630, -32.6790

# Conversions

## Conversions Part 2

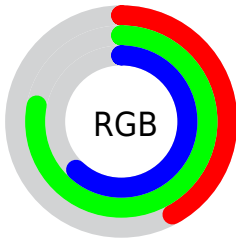
<b>Format</b>	<b>Color</b>
<b>RYB</b>	106, 166, 200
Decimal	6998175
CIELab	74.11, -37.51, 11.97
CIElCh	74, 39.372, 162.300
Yxy	46.8759, 0.2741, 0.3911
Android (android.graphics.Color)	4285188255 (0xFF6AC89F)
YUV	167.2200, -4.0525, -53.6899
Hunter-Lab	68.4660, -34.1641, 13.1763

# Details

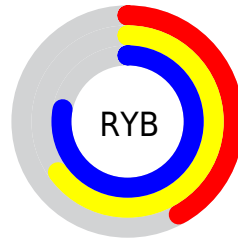
The Yxy color **46.8759, 0.2741, 0.3911** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.6817, 0.3827, 0.2759**, and the grayscale version is **38.7875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0564, 0.2811, 0.3763**, and **21.9619, 0.2617, 0.4090** is the 20% darker color. If you saturate the color by 10%, you get **45.5007, 0.2687, 0.4073**, and if you desaturate by 10%, it is **48.5619, 0.2809, 0.3758**.

# Distribution



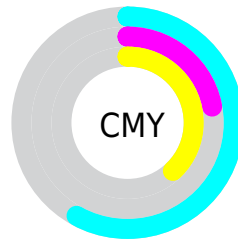
- Red (42%)
- Green (78%)
- Blue (62%)



- Red (42%)
- Yellow (65%)
- Blue (78%)



- Cyan (47%)
- Magenta (0%)
- Yellow (20%)
- Black (22%)




- Cyan (58%)
- Magenta (22%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8759, 0.2741, 0.3911 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 46.8759, 0.2741, 0.3911 by changing the saturation by 10% instead.





 46.8759, 0.2741,  
0.3911


 46.8759, 0.2741,  
0.3911


374.3190, 0.2940,  
0.3588


 32.9376, 0.2690,  
0.3996


 85.5284, 0.2814,  
0.3791

 22.0786, 0.2623,  
0.4107

 111.0113, 0.2842,  
0.3746

 13.9147, 0.2532,  
0.4259


 141.1111, 0.2864,  
0.3709

 8.0613, 0.2402,  
0.4480

 176.2124, 0.2884,  
0.3678

 4.1342, 0.2202,  
0.4826

216.6994, 0.2901,  
0.3651

 1.7489, 0.1788,  
0.5496

262.9566, 0.2915,

 0.4550, 0.0000,

0.3627

1.0000

315.3683, 0.2928,  
0.3606

0.0000, 0.0000,  
0.0000

46.8759, 0.2741,  
0.3911

46.8759, 0.2741,  
0.3911

45.5007, 0.2687,  
0.4073

48.5619, 0.2809,  
0.3758

44.4101, 0.2650,  
0.4242

50.5716, 0.2887,  
0.3615

43.5826, 0.2633,  
0.4412


52.9242, 0.2972,  
0.3484


42.9912, 0.2635,  
0.4581

55.6354, 0.3062,  
0.3366


42.5995, 0.2657,  
0.4745


58.7202, 0.3155,  
0.3260

 42.5021, 0.2665,  
0.4793

 62.1925, 0.3247,  
0.3166

 66.0657, 0.3339,  
0.3082

 68.2156, 0.3343,  
0.3001

 68.7140, 0.3278,  
0.2916

# Harmonies

## Analogous

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



46.8759, 0.3268, 0.4250



46.8759, 0.2741, 0.3911



46.8759, 0.2340, 0.3367

# Triad

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



46.8759, 0.2741, 0.3911



46.8759, 0.2455, 0.2423



46.8759, 0.4214, 0.3569

# Complementary

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



46.8759, 0.2741, 0.3911



24.6817, 0.3827, 0.2759

# 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.



46.8759, 0.3963, 0.3141



46.8759, 0.2741, 0.3911



46.8759, 0.2910, 0.2512

# Square

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



46.8759, 0.2741, 0.3911



46.8759, 0.2191, 0.2533



46.8759, 0.3468, 0.2767



46.8759, 0.4137, 0.3974



# Rectangle

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



46.8759, 0.2741, 0.3911



46.8759, 0.2188, 0.3012



46.8759, 0.3468, 0.2767



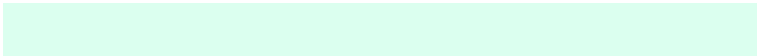
46.8759, 0.4165, 0.3425

# Sweetspot

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



46.8778, 0.2741, 0.3911



92.8850, 0.2997, 0.3449



48.6739, 0.3372, 0.4621



19.6710, 0.2978, 0.3476



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.



46.8778, 0.2741, 0.3911



78.8184, 0.2688, 0.4070



46.3989, 0.2495, 0.3221



11.9865, 0.3041, 0.3393



27.0398, 0.2659, 0.4771



1.2947, 0.2564, 0.4429



# Inverse Universe

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



24.6817, 0.3827, 0.2759



35.9649, 0.4054, 0.2664



24.6124, 0.4371, 0.3355



10.7124, 0.3223, 0.3190



8.2640, 0.5209, 0.2643

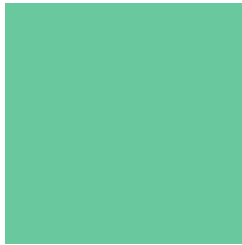


0.4058, 0.4689, 0.2357



# Previews

## White Background



This preview shows how the Yxy color 46.8759, 0.2741, 0.3911 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 46.8759, 0.2741, 0.3911 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

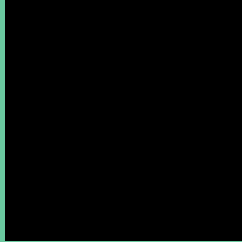
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.8759, 0.2741, 0.3911**

## Background



This preview shows how black text looks on a background with the Yxy color 46.8759, 0.2741, 0.3911.

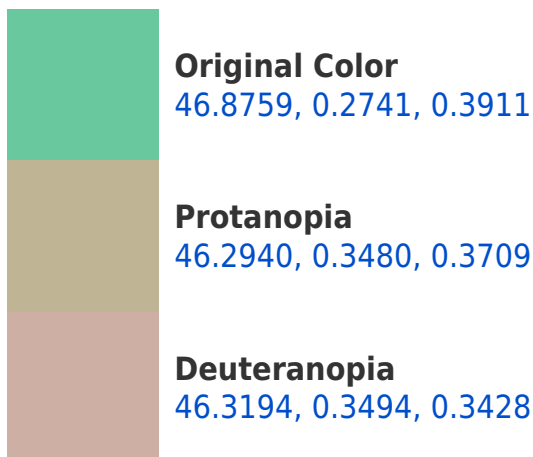


This preview shows how white text looks on a background with the Yxy color 46.8759, 0.2741, 0.3911.

# 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

46.6653, 0.2509, 0.3067

# Trichromacy



## Original Color

46.8759, 0.2741, 0.3911



## Protanomaly

45.7399, 0.3162, 0.3783



## Deuteranomaly

45.3246, 0.3172, 0.3592



## Tritanomaly

46.8189, 0.2590, 0.3360

# Monochromacy



## Original Color

46.8759, 0.2741, 0.3911



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

40.9403, 0.2958, 0.3510

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.8759, 0.2741, 0.3911 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(106, 200, 159)` looks like.

```
.text, #text, p{  
    color:rgb(106, 200, 159)  
}
```

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(106, 200, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 200, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 46.8759, 0.2741, 0.3911 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(106, 200, 159) }
```

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

```
.border{ border-color:rgb(106, 200, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 200, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 200, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 200, 159);  
box-shadow:4px 4px 4px 4px rgb(106, 200,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.8759, 0.2741, 0.3911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 200, 159) }
```

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

```
.background{ background-color: rgb(106,  
200, 159) }
```

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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