

# Converting Colors

$Yxy(46.3515, 0.2973, 0.4203)$

Have a look what the booklet for  
Yxy(46.3515, 0.2973, 0.4203)  
contains.

<b>Yxy(46.3607, 0.2971, 0.4198)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(46.3607, 0.2971, 0.4198)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AC68A
RGB	122, 198, 138
RGB Percent	48%, 78%, 54%
CMY	0.5215, 0.2235, 0.4588
CMYK	0.38, 0.00, 0.30, 0.22
HSL	133°, 40%, 63%
HSV	133°, 38%, 78%
XYZ	32.8103, 46.3607, 31.2642
YIQ	168.4360, -26.0360, -34.7720

# Conversions

## Conversions Part 2

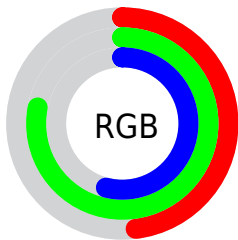
Format	Color
<a href="#">RYB</a>	<a href="#">122, 185, 198</a>
Decimal	<a href="#">8046218</a>
CIELab	<a href="#">73.78, -36.23, 22.85</a>
CIELCh	<a href="#">74, 42.833, 147.766</a>
Yxy	<a href="#">46.3607, 0.2971, 0.4198</a>
Android (android.graphics.Color)	<a href="#">4286236298 (0xFF7AC68A)</a>
YUV	<a href="#">168.4360, -15.0049, -40.7244</a>
Hunter-Lab	<a href="#">68.0887, -33.1404, 20.4380</a>

# Details

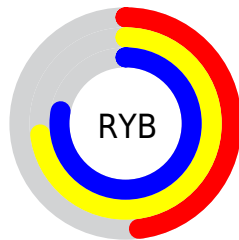
The Yxy color **46.3607, 0.2971, 0.4198** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.3098, 0.3339, 0.2529**, and the grayscale version is **39.4720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6729, 0.3006, 0.4014**, and **21.9163, 0.2906, 0.4489** is the 20% darker color. If you saturate the color by 10%, you get **44.6403, 0.2939, 0.4487**, and if you desaturate by 10%, it is **48.4446, 0.3009, 0.3927**.

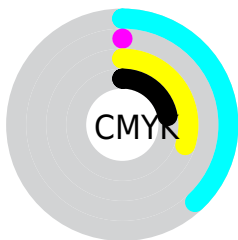
# Distribution



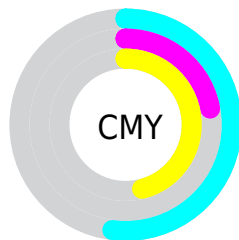
- Red (48%)
- Green (78%)
- Blue (54%)



- Red (48%)
- Yellow (73%)
- Blue (78%)



- Cyan (38%)
- Magenta (0%)
- Yellow (30%)
- Black (22%)




- Cyan (52%)
- Magenta (22%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3607, 0.2971, 0.4198 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 46.3607, 0.2971, 0.4198 by changing the saturation by 10% instead.




 46.3607, 0.2971,  
0.4198


 46.3607, 0.2971,  
0.4198


372.2569, 0.3062,  
0.3719


 32.5306, 0.2944,  
0.4325


 84.7586, 0.3007,  
0.4018

 21.7671, 0.2906,  
0.4493


 110.0951, 0.3020,  
0.3952

 13.6858, 0.2850,  
0.4724


 140.0358, 0.3030,  
0.3898

 7.9025, 0.2762,  
0.5061

174.9652, 0.3039,  
0.3851

 4.0326, 0.2606,  
0.5589

215.2676, 0.3046,  
0.3811

 1.6918, 0.2436,  
0.7290

261.3274, 0.3052,

 0.4184, 0.0000,

0.3776

1.0000

313.5290, 0.3057,  
0.3746

0.0000, 0.0000,  
0.0000

46.3607, 0.2971,  
0.4198

46.3607, 0.2971,  
0.4198

44.6403, 0.2939,  
0.4487

48.4446, 0.3009,  
0.3927

43.2569, 0.2915,  
0.4785

50.9053, 0.3050,  
0.3679

42.1895, 0.2902,  
0.5077


53.7625, 0.3092,  
0.3456

41.4122, 0.2902,  
0.5348


57.0328, 0.3134,  
0.3260

40.8949, 0.2915,  
0.5581


60.7318, 0.3174,  
0.3088

 40.5921, 0.2938,  
0.5763

 64.8744, 0.3213,  
0.2938

 40.5526, 0.2941,  
0.5789

 68.3917, 0.3207,  
0.2801

 68.8680, 0.3153,  
0.2732

# Harmonies

## Analogous

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



46.3607, 0.3557, 0.4386



46.3607, 0.2971, 0.4198



46.3607, 0.2456, 0.3673

# Triad

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



46.3607, 0.2971, 0.4198



46.3607, 0.2232, 0.2379



46.3607, 0.4225, 0.3358

# Complementary

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



46.3607, 0.2971, 0.4198



29.3098, 0.3339, 0.2529

# 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.



46.3607, 0.3800, 0.2918



46.3607, 0.2971, 0.4198



46.3607, 0.2628, 0.2378

# Square

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



46.3607, 0.2971, 0.4198



46.3607, 0.2063, 0.2605



46.3607, 0.3197, 0.2571



46.3607, 0.4312, 0.3819

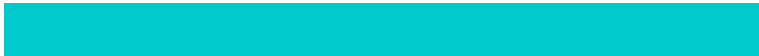


# Rectangle

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



46.3607, 0.2971, 0.4198



46.3607, 0.2217, 0.3258



46.3607, 0.3197, 0.2571



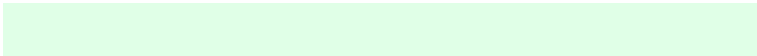
46.3607, 0.4115, 0.3206

# Sweetspot

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



46.3626, 0.2971, 0.4198



93.1915, 0.3076, 0.3538



51.8372, 0.3564, 0.4278



19.8022, 0.3070, 0.3567



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.



46.3626, 0.2971, 0.4198



79.5194, 0.2944, 0.4438



47.6309, 0.2735, 0.3620



11.9238, 0.3088, 0.3478



26.3828, 0.2936, 0.5769



1.2601, 0.2825, 0.5369



# Inverse Universe

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



29.3098, 0.3339, 0.2529



45.0830, 0.3399, 0.2371



27.9702, 0.3778, 0.2989



10.7769, 0.3169, 0.3109



9.3895, 0.3818, 0.1877



0.4545, 0.3668, 0.1794



# Previews

## White Background



This preview shows how the Yxy color 46.3607, 0.2971, 0.4198 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 46.3607, 0.2971, 0.4198 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 46.3607, 0.2971, 0.4198**

## Background



This preview shows how black text looks on a background with the Yxy color 46.3607, 0.2971, 0.4198.



This preview shows how white text looks on a background with the Yxy color 46.3607, 0.2971, 0.4198.

# 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

46.3607, 0.2971, 0.4198

### Protanopia

45.7236, 0.3672, 0.3941

### Deuteranopia

45.5719, 0.3737, 0.3664



## Tritanopia

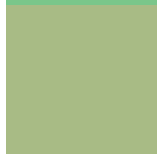
46.4689, 0.2627, 0.3084

# Trichromacy



## Original Color

46.3607, 0.2971, 0.4198



## Protanomaly

45.5589, 0.3386, 0.4043



## Deuteranomaly

44.8440, 0.3425, 0.3850



## Tritanomaly

46.3014, 0.2748, 0.3461

# Monochromacy



## Original Color

46.3607, 0.2971, 0.4198



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

41.2538, 0.3061, 0.3611

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.3607, 0.2971, 0.4198 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(122, 198, 138)` looks like.

```
.text, #text, p{  
    color:rgb(122, 198, 138)  
}
```

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(122, 198, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 198, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 46.3607, 0.2971, 0.4198 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(122, 198, 138) }
```

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

```
.border{ border-color:rgb(122, 198, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 198, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 198, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 198, 138);  
box-shadow:4px 4px 4px 4px rgb(122, 198,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.3607, 0.2971, 0.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 198, 138) }
```

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

```
.background{ background-color: rgb(122,  
198, 138) }
```

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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