

# Converting Colors

$Yxy(46.8016, 0.2904, 0.3682)$

Have a look what the booklet for  
Yxy(46.8016, 0.2904, 0.3682)  
contains.

<b>Yxy(46.9122, 0.2911, 0.3691)</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(46.9122, 0.2911, 0.3691)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CC2A6
RGB	140, 194, 166
RGB Percent	55%, 76%, 65%
CMY	0.4507, 0.2393, 0.3490
CMYK	0.28, 0.00, 0.14, 0.24
HSL	149°, 31%, 66%
HSV	149°, 28%, 76%
XYZ	36.9985, 46.9122, 43.1882
YIQ	174.6620, -23.1960, -20.1560

# Conversions

## Conversions Part 2

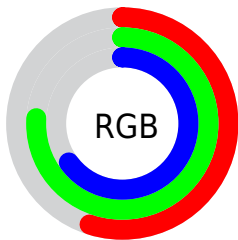
Format	Color
<a href="#">RYB</a>	<a href="#">140, 176, 194</a>
Decimal	<a href="#">9224870</a>
CIELab	<a href="#">74.13, -23.43, 8.45</a>
CIELCh	<a href="#">74, 24.908, 160.158</a>
Yxy	<a href="#">46.9122, 0.2911, 0.3691</a>
Android (android.graphics.Color)	<a href="#">4287414950 (0xFF8CC2A6)</a>
YUV	<a href="#">174.6620, -4.2704, -30.3986</a>
Hunter-Lab	<a href="#">68.4925, -23.4391, 10.5592</a>

# Details

The Yxy color **46.9122, 0.2911, 0.3691** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.0708, 0.3420, 0.2922**, and the grayscale version is **42.7249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8169, 0.2954, 0.3619**, and **22.0458, 0.2845, 0.3815** is the 20% darker color. If you saturate the color by 10%, you get **45.0189, 0.2843, 0.3864**, and if you desaturate by 10%, it is **49.1354, 0.2986, 0.3533**.

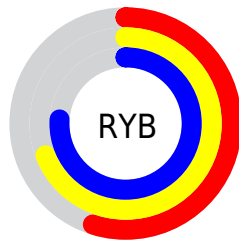
# Distribution



Red (55%)

Green (76%)

Blue (65%)



Red (55%)

Yellow (69%)

Blue (76%)

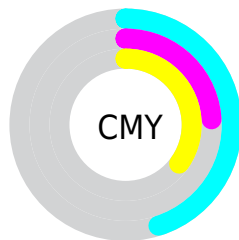


Cyan (28%)

Magenta (0%)

Yellow (14%)

Black (24%)



Cyan (45%)

Magenta (24%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9122, 0.2911, 0.3691 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 46.9122, 0.2911, 0.3691 by changing the saturation by 10% instead.





 46.9122, 0.2911,  
0.3691

 46.9122, 0.2911,  
0.3691


374.4640, 0.3022,  
0.3485


 32.9663, 0.2883,  
0.3744


 85.5826, 0.2952,  
0.3615

 22.1006, 0.2846,  
0.3814


 111.0757, 0.2967,  
0.3587

 13.9308, 0.2795,  
0.3908


 141.1868, 0.2980,  
0.3563

 8.0726, 0.2724,  
0.4043

176.3001, 0.2991,  
0.3543

 4.1414, 0.2613,  
0.4254

216.8001, 0.3000,  
0.3525

 1.7530, 0.2420,  
0.4624

263.0711, 0.3008,

 0.4576, 0.0000,

0.3510

1.0000

315.4976, 0.3015,  
0.3497

0.0000, 0.0000,  
0.0000

46.9122, 0.2911,  
0.3691

46.9122, 0.2911,  
0.3691

45.0189, 0.2843,  
0.3864

49.1354, 0.2986,  
0.3533

43.4334, 0.2784,  
0.4049

51.6978, 0.3065,  
0.3391

42.1400, 0.2739,  
0.4245

54.6154, 0.3145,  
0.3263

41.1191, 0.2710,  
0.4448

57.9016, 0.3225,  
0.3150

40.3486, 0.2700,  
0.4651

61.5689, 0.3304,  
0.3051

■ 39.8028, 0.2709,  
0.4849

■ 65.3522, 0.3369,  
0.2963

■ 39.4438, 0.2737,  
0.5036

■ 65.9223, 0.3292,  
0.2865

■ 39.3763, 0.2743,  
0.5076

■ 66.5254, 0.3217,  
0.2770

■ 67.0596, 0.3155,  
0.2693

# Harmonies

## Analogous

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



46.9122, 0.3254, 0.3886



46.9122, 0.2911, 0.3691



46.9122, 0.2636, 0.3372

# Triad

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



46.9122, 0.2911, 0.3691



46.9122, 0.2677, 0.2723



46.9122, 0.3807, 0.3470

# Complementary

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



46.9122, 0.2911, 0.3691



33.0708, 0.3420, 0.2922

# 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.



46.9122, 0.3636, 0.3184



46.9122, 0.2911, 0.3691



46.9122, 0.2970, 0.2768

# Square

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



46.9122, 0.2911, 0.3691



46.9122, 0.2507, 0.2818



46.9122, 0.3323, 0.2933



46.9122, 0.3782, 0.3730



# Rectangle

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



46.9122, 0.2911, 0.3691



46.9122, 0.2523, 0.3150



46.9122, 0.3323, 0.2933



46.9122, 0.3770, 0.3374

# Sweetspot

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



46.9141, 0.2911, 0.3691



93.5113, 0.3062, 0.3395



48.8904, 0.3324, 0.4028



20.3138, 0.3050, 0.3416



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

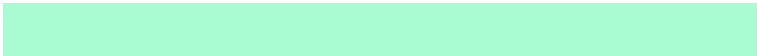


# Same Dimension

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



46.9141, 0.2911, 0.3691



82.9696, 0.2871, 0.3788



47.9747, 0.2739, 0.3314



11.3378, 0.3052, 0.3412



25.9079, 0.2737, 0.5052



1.1333, 0.2619, 0.4630



# Inverse Universe

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



33.0708, 0.3420, 0.2922



53.9797, 0.3500, 0.2843



32.1911, 0.3705, 0.3267



10.1632, 0.3210, 0.3171



8.1705, 0.4859, 0.2450



0.3669, 0.4394, 0.2194



# Previews

## White Background



This preview shows how the Yxy color 46.9122, 0.2911, 0.3691 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

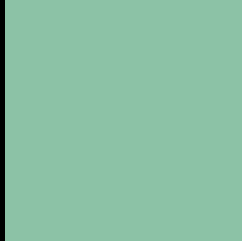
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.9122, 0.2911, 0.3691 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

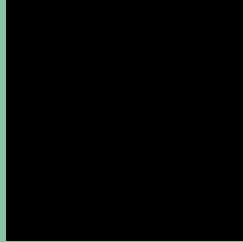
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.9122, 0.2911, 0.3691**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.9122, 0.2911, 0.3691.

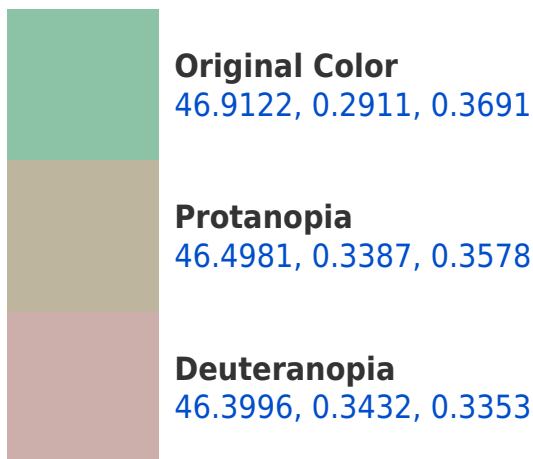


This preview shows how white text looks on a background with the Yxy color 46.9122, 0.2911, 0.3691.

# 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

47.0507, 0.2711, 0.3087

# Trichromacy



**Original Color**

46.9122, 0.2911, 0.3691

**Protanomaly**

46.4971, 0.3196, 0.3616

**Deuteranomaly**

46.1442, 0.3222, 0.3462

**Tritanomaly**

46.9991, 0.2783, 0.3303

# Monochromacy



**Original Color**

46.9122, 0.2911, 0.3691

**Achromatopsia**

42.8690, 0.3127, 0.3290

**Achromatomaly**

44.1158, 0.3037, 0.3428

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.9122, 0.2911, 0.3691 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(140, 194, 166)` looks like.

```
.text, #text, p{  
    color:rgb(140, 194, 166)  
}
```

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(140, 194, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 194, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 46.9122, 0.2911, 0.3691 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(140, 194, 166) }
```

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

```
.border{ border-color:rgb(140, 194, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 194, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 194, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 194, 166);  
box-shadow:4px 4px 4px 4px rgb(140, 194,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.9122, 0.2911, 0.3691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 194, 166) }
```

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

```
.background{ background-color: rgb(140,  
194, 166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor