

# Converting Colors

$Yxy(47.0035, 0.2871, 0.4039)$

Have a look what the booklet for  
Yxy(47.0035, 0.2871, 0.4039)  
contains.

<b>Yxy(46.9004, 0.2868, 0.4028)</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(46.9004, 0.2868, 0.4028)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76C796
RGB	118, 199, 150
RGB Percent	46%, 78%, 59%
CMY	0.5374, 0.2196, 0.4118
CMYK	0.41, 0.00, 0.25, 0.22
HSL	144°, 42%, 62%
HSV	144°, 41%, 78%
XYZ	33.3938, 46.9004, 36.1417
YIQ	169.1950, -32.5470, -32.4110

# Conversions

## Conversions Part 2

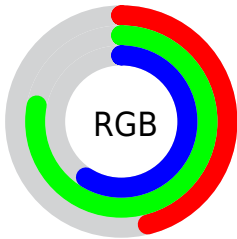
Format	Color
<a href="#">RYB</a>	<a href="#">118, 176, 199</a>
Decimal	<a href="#">7784342</a>
CIELab	<a href="#">74.13, -35.66, 16.91</a>
CIELCh	<a href="#">74, 39.467, 154.627</a>
Yxy	<a href="#">46.9004, 0.2868, 0.4028</a>
Android (android.graphics.Color)	<a href="#">4285974422</a> ( <a href="#">0xFF76C796</a> )
YUV	<a href="#">169.1950, -9.4631, -44.8980</a>
Hunter-Lab	<a href="#">68.4839, -32.8073, 16.6490</a>

# Details

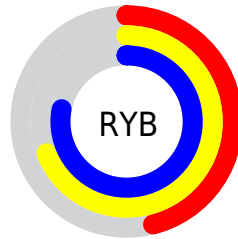
The Yxy color **46.9004, 0.2868, 0.4028** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **27.8783, 0.3529, 0.2659**, and the grayscale version is **39.8326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7639, 0.2920, 0.3874**, and **22.2416, 0.2783, 0.4272** is the 20% darker color. If you saturate the color by 10%, you get **45.2856, 0.2821, 0.4251**, and if you desaturate by 10%, it is **48.8528, 0.2924, 0.3819**.

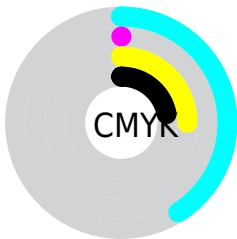
# Distribution



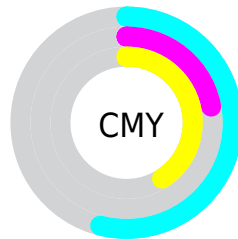
- Red (46%)
- Green (78%)
- Blue (59%)



- Red (46%)
- Yellow (69%)
- Blue (78%)



- Cyan (41%)
- Magenta (0%)
- Yellow (25%)
- Black (22%)



- Cyan (54%)
- Magenta (22%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9004, 0.2868, 0.4028 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 46.9004, 0.2868, 0.4028 by changing the saturation by 10% instead.




 46.9004, 0.2868,  
0.4028

 46.9004, 0.2868,  
0.4028


374.4168, 0.3006,  
0.3642

 32.9569, 0.2831,  
0.4130


 85.5649, 0.2920,  
0.3884

 22.0934, 0.2781,  
0.4264


 111.0548, 0.2939,  
0.3831

 13.9256, 0.2712,  
0.4449


 141.1622, 0.2955,  
0.3786

 8.0689, 0.2610,  
0.4717

176.2716, 0.2968,  
0.3749

 4.1391, 0.2444,  
0.5141

216.7674, 0.2980,  
0.3716

 1.7517, 0.2133,  
0.6066

263.0339, 0.2990,

 0.4568, 0.0000,

0.3688

1.0000

315.4556, 0.2998,  
0.3664

0.0000, 0.0000,  
0.0000

46.9004, 0.2868,  
0.4028

46.9004, 0.2868,  
0.4028

45.2856, 0.2821,  
0.4251

48.8528, 0.2924,  
0.3819

43.9828, 0.2788,  
0.4484

51.1550, 0.2987,  
0.3628

42.9717, 0.2770,  
0.4720


53.8260, 0.3054,  
0.3455


42.2275, 0.2770,  
0.4951

56.8814, 0.3122,  
0.3301


41.7204, 0.2789,  
0.5167

60.3359, 0.3190,  
0.3164

 41.4120, 0.2819,  
0.5350

 64.2037, 0.3257,  
0.3044

 68.0667, 0.3303,  
0.2937

 68.7831, 0.3215,  
0.2823

 69.3325, 0.3153,  
0.2742

# Harmonies

## Analogous

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



46.9004, 0.3407, 0.4284



46.9004, 0.2868, 0.4028



46.9004, 0.2423, 0.3512

# Triad

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



46.9004, 0.2868, 0.4028



46.9004, 0.2366, 0.2429



46.9004, 0.4182, 0.3458

# Complementary

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



46.9004, 0.2868, 0.4028



27.8783, 0.3529, 0.2659

# 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.



46.9004, 0.3855, 0.3037



46.9004, 0.2868, 0.4028



46.9004, 0.2778, 0.2470

# Square

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



46.9004, 0.2868, 0.4028



46.9004, 0.2157, 0.2594



46.9004, 0.3324, 0.2687



46.9004, 0.4189, 0.3879



# Rectangle

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



46.9004, 0.2868, 0.4028



46.9004, 0.2233, 0.3142



46.9004, 0.3324, 0.2687



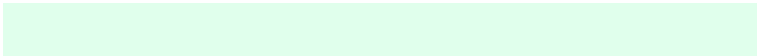
46.9004, 0.4106, 0.3314

# Sweetspot

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



46.9023, 0.2868, 0.4028



93.5162, 0.3044, 0.3479



50.4775, 0.3461, 0.4386



19.8782, 0.3035, 0.3501



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.



46.9023, 0.2868, 0.4028



79.5421, 0.2825, 0.4228



48.3989, 0.2627, 0.3423



11.9562, 0.3063, 0.3433



26.6414, 0.2812, 0.5324



1.2757, 0.2693, 0.4895



# Inverse Universe

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



27.8783, 0.3529, 0.2659



41.6761, 0.3656, 0.2526



26.6322, 0.4030, 0.3167



10.7429, 0.3197, 0.3151



8.7027, 0.4506, 0.2256



0.4261, 0.4166, 0.2069



# Previews

## White Background



This preview shows how the Yxy color 46.9004, 0.2868, 0.4028 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 46.9004, 0.2868, 0.4028 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 46.9004, 0.2868, 0.4028**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.9004, 0.2868, 0.4028.

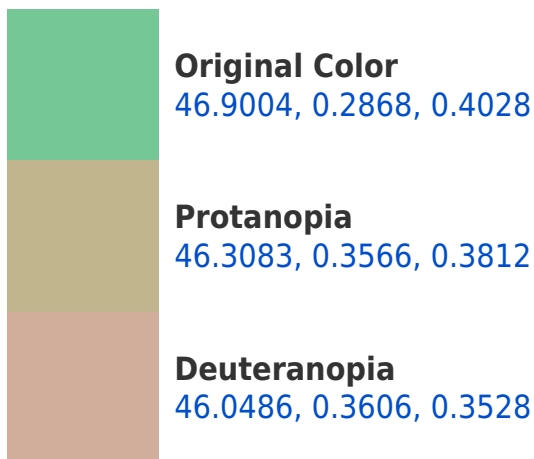


This preview shows how white text looks on a background with the Yxy color 46.9004, 0.2868, 0.4028.

# 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

46.5919, 0.2586, 0.3069

# Trichromacy



## Original Color

46.9004, 0.2868, 0.4028



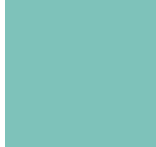
## Protanomaly

46.0870, 0.3281, 0.3903



## Deuteranomaly

45.2808, 0.3298, 0.3700



## Tritanomaly

46.5644, 0.2687, 0.3403

# Monochromacy



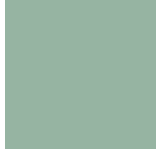
## Original Color

46.9004, 0.2868, 0.4028



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

41.7352, 0.3014, 0.3551

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.9004, 0.2868, 0.4028 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, 199, 150)` looks like.

```
.text, #text, p{  
    color:rgb(118, 199, 150)  
}
```

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, 199, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 199, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 46.9004, 0.2868, 0.4028 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, 199, 150) }
```

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

```
.border{ border-color:rgb(118, 199, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 199, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 199, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 199, 150);  
box-shadow:4px 4px 4px 4px rgb(118, 199,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.9004, 0.2868, 0.4028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 199, 150) }
```

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

```
.background{ background-color: rgb(118,  
199, 150) }
```

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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