

# Converting Colors

$Yxy(42.8756, 0.2934, 0.4118)$

Have a look what the booklet for  
Yxy(42.8756, 0.2934, 0.4118)  
contains.

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# Color

**Yxy(42.8785, 0.2934, 0.4117)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75BF8A
RGB	117, 191, 138
RGB Percent	46%, 75%, 54%
CMY	0.5411, 0.2510, 0.4588
CMYK	0.39, 0.00, 0.28, 0.25
HSL	137°, 37%, 60%
HSV	137°, 39%, 75%
XYZ	30.5576, 42.8785, 30.7138
YIQ	162.8320, -27.0910, -32.1710

# Conversions

## Conversions Part 2

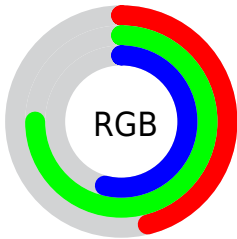
Format	Color
<a href="#">RYB</a>	<a href="#">117, 175, 191</a>
Decimal	<a href="#">7716746</a>
CIELab	<a href="#">71.47, -34.51, 19.65</a>
CIELCh	<a href="#">71, 39.710, 150.343</a>
Yxy	<a href="#">42.8785, 0.2934, 0.4117</a>
Android (android.graphics.Color)	<a href="#">4285906826 (0xFF75BF8A)</a>
YUV	<a href="#">162.8320, -12.2422, -40.1947</a>
Hunter-Lab	<a href="#">65.4817, -31.2944, 18.0275</a>

# Details

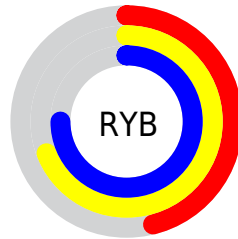
The Yxy color **42.8785, 0.2934, 0.4117** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **26.7084, 0.3403, 0.2589**, and the grayscale version is **36.6148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7112, 0.2977, 0.3948**, and **19.6859, 0.2858, 0.4388** is the 20% darker color. If you saturate the color by 10%, you get **41.3174, 0.2895, 0.4379**, and if you desaturate by 10%, it is **44.7631, 0.2980, 0.3872**.

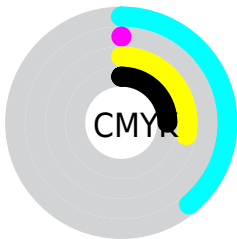
# Distribution



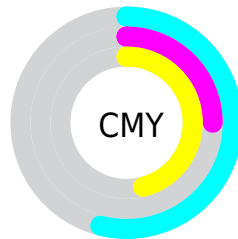
- Red (46%)
- Green (75%)
- Blue (54%)



- Red (46%)
- Yellow (69%)
- Blue (75%)



- Cyan (39%)
- Magenta (0%)
- Yellow (28%)
- Black (25%)




- Cyan (54%)
- Magenta (25%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8785, 0.2934, 0.4117 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 42.8785, 0.2934, 0.4117 by changing the saturation by 10% instead.





 42.8785, 0.2934,  
0.4117

 42.8785, 0.2934,  
0.4117


358.1119, 0.3043,  
0.3677


 29.7898, 0.2903,  
0.4236


 79.5275, 0.2977,  
0.3950

 19.6791, 0.2859,  
0.4394


 103.8565, 0.2992,  
0.3890

 12.1620, 0.2797,  
0.4614


 132.7012, 0.3004,  
0.3839

 6.8541, 0.2698,  
0.4941

166.4458, 0.3014,  
0.3797

 3.3710, 0.2527,  
0.5467

205.4748, 0.3023,  
0.3760

 1.3284, 0.2143,  
0.7803

250.1725, 0.3031,

 0.1630, 0.0000,

0.3729

1.0000

300.9234, 0.3037,  
0.3701

0.0000, 0.0000,  
0.0000

42.8785, 0.2934,  
0.4117

42.8785, 0.2934,  
0.4117

41.3174, 0.2895,  
0.4379

44.7631, 0.2980,  
0.3872

40.0560, 0.2867,  
0.4652

46.9826, 0.3030,  
0.3648

39.0757, 0.2852,  
0.4924


49.5545, 0.3082,  
0.3447


38.3538, 0.2852,  
0.5184


52.4935, 0.3134,  
0.3269


37.8635, 0.2868,  
0.5418

55.8135, 0.3185,  
0.3112


 37.5615, 0.2896,  
0.5615

 59.5275, 0.3234,  
0.2975

 37.5291, 0.2899,  
0.5638

 63.6480, 0.3281,  
0.2856

 65.2654, 0.3212,  
0.2732

 65.7411, 0.3157,  
0.2663

# Harmonies

## Analogous

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



42.8785, 0.3493, 0.4331



42.8785, 0.2934, 0.4117



42.8785, 0.2453, 0.3604

# Triad

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



42.8785, 0.2934, 0.4117



42.8785, 0.2296, 0.2411



42.8785, 0.4192, 0.3397

# Complementary

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



42.8785, 0.2934, 0.4117



26.7084, 0.3403, 0.2589

# 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.



42.8785, 0.3812, 0.2970



42.8785, 0.2934, 0.4117



42.8785, 0.2693, 0.2425

# Square

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



42.8785, 0.2934, 0.4117



42.8785, 0.2114, 0.2611



42.8785, 0.3246, 0.2626



42.8785, 0.4247, 0.3837



# Rectangle

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



42.8785, 0.2934, 0.4117



42.8785, 0.2236, 0.3214



42.8785, 0.3246, 0.2626



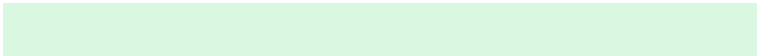
42.8785, 0.4097, 0.3250

# Sweetspot

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



42.8803, 0.2934, 0.4117



87.0859, 0.3063, 0.3514



47.0967, 0.3512, 0.4304



18.9880, 0.3057, 0.3540



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



42.8803, 0.2934, 0.4117



74.5162, 0.2902, 0.4326



44.1390, 0.2694, 0.3527



10.6929, 0.3078, 0.3459



24.6761, 0.2893, 0.5615



0.9782, 0.2752, 0.5106



# Inverse Universe

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



26.7084, 0.3403, 0.2589



41.6793, 0.3480, 0.2449



25.5004, 0.3865, 0.3071



9.6489, 0.3180, 0.3127



8.4772, 0.4073, 0.2017



0.3428, 0.3821, 0.1879



# Previews

## White Background



This preview shows how the Yxy color 42.8785, 0.2934, 0.4117 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 42.8785, 0.2934, 0.4117 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 42.8785, 0.2934, 0.4117**

## Background



This preview shows how black text looks on a background with the Yxy color 42.8785, 0.2934, 0.4117.



This preview shows how white text looks on a background with the Yxy color 42.8785, 0.2934, 0.4117.

# 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

42.8785, 0.2934, 0.4117

### Protanopia

42.4486, 0.3627, 0.3883

### Deuteranopia

42.1772, 0.3681, 0.3600



## Tritanopia

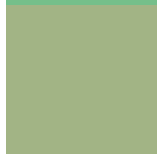
42.6900, 0.2618, 0.3076

# Trichromacy



## Original Color

42.8785, 0.2934, 0.4117



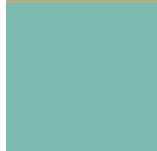
## Protanomaly

42.0174, 0.3348, 0.3967



## Deuteranomaly

41.6317, 0.3374, 0.3783



## Tritanomaly

42.6124, 0.2731, 0.3437

# Monochromacy



## Original Color

42.8785, 0.2934, 0.4117



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

38.3312, 0.3044, 0.3575

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.8785, 0.2934, 0.4117 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(117, 191, 138)` looks like.

```
.text, #text, p{  
    color:rgb(117, 191, 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(117, 191, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 191, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 42.8785, 0.2934, 0.4117 is called "border". The border property can be set on classes, ids or directly on the HTML element.

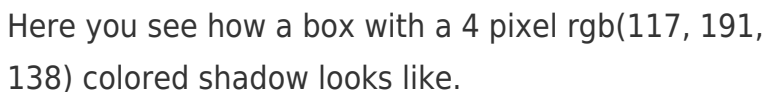
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 191, 138) }
```

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

```
.border{ border-color:rgb(117, 191, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 191, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 191, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 191, 138); box-shadow:4px 4px 4px 4px rgb(117, 191, 138) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.8785, 0.2934, 0.4117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 191, 138) }
```

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

```
.background{ background-color: rgb(117,  
191, 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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