

# Converting Colors

$Yxy(42.3306, 0.2928, 0.4107)$

Have a look what the booklet for  
Yxy(42.3306, 0.2928, 0.4107)  
contains.

<b>Yxy(42.3749, 0.2926, 0.4106)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(42.3749, 0.2926, 0.4106)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74BE8A
RGB	116, 190, 138
RGB Percent	45%, 75%, 54%
CMY	0.5453, 0.2548, 0.4588
CMYK	0.39, 0.00, 0.27, 0.25
HSL	138°, 36%, 60%
HSV	138°, 39%, 75%
XYZ	30.1970, 42.3749, 30.6305
YIQ	161.9460, -27.4120, -31.8600

# Conversions

## Conversions Part 2

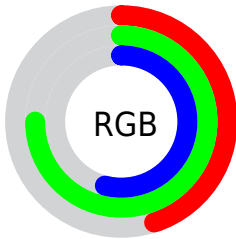
<b>Format</b>	<b>Color</b>
<b>RYB</b>	116, 173, 190
Decimal	7650954
CIELab	71.13, -34.38, 19.17
CIElCh	71, 39.364, 150.849
Yxy	42.3749, 0.2926, 0.4106
Android (android.graphics.Color)	4285841034 (0xFF74BE8A)
YUV	161.9460, -11.8054, -40.2946
Hunter-Lab	65.0960, -31.1147, 17.6687

# Details

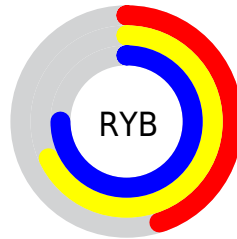
The Yxy color  $42.3749, 0.2926, 0.4106$  is a dark color, and the websafe version is hex  $66CC99$ . A complement of this color would be  $26.2514, 0.3418, 0.2598$ , and the grayscale version is  $36.1651, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $78.9852, 0.2971, 0.3939$ , and  $19.3697, 0.2848, 0.4373$  is the 20% darker color. If you saturate the color by 10%, you get  $40.8427, 0.2886, 0.4363$ , and if you desaturate by 10%, it is  $44.2243, 0.2973, 0.3866$ .

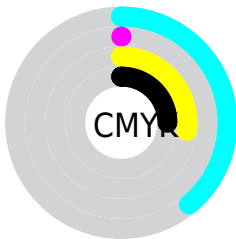
# Distribution



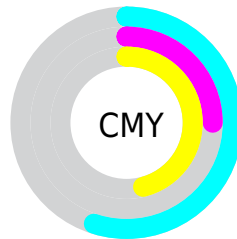
- Red (45%)
- Green (75%)
- Blue (54%)



- Red (45%)
- Yellow (68%)
- Blue (75%)



- Cyan (39%)
- Magenta (0%)
- Yellow (27%)
- Black (25%)




- Cyan (55%)
- Magenta (25%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3749, 0.2926, 0.4106 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 42.3749, 0.2926, 0.4106 by changing the saturation by 10% instead.





 42.3749, 0.2926,  
0.4106

 42.3749, 0.2926,  
0.4106


356.0347, 0.3039,  
0.3671


 29.3950, 0.2894,  
0.4224


 78.7667, 0.2970,  
0.3941

 19.3798, 0.2849,  
0.4381


 102.9474, 0.2986,  
0.3881

 11.9450, 0.2785,  
0.4600


 131.6304, 0.2998,  
0.3832

 6.7063, 0.2684,  
0.4925

165.2002, 0.3009,  
0.3789

 3.2791, 0.2508,  
0.5452

204.0411, 0.3018,  
0.3753

 1.2791, 0.2058,  
0.7936

248.5375, 0.3026,

 0.1249, 0.0000,

0.3722

1.0000

299.0740, 0.3033,  
0.3695

0.0000, 0.0000,  
0.0000

42.3749, 0.2926,  
0.4106

42.3749, 0.2926,  
0.4106

40.8427, 0.2886,  
0.4363

44.2243, 0.2973,  
0.3866

39.6045, 0.2857,  
0.4631

46.4024, 0.3025,  
0.3646

38.6419, 0.2842,  
0.4898


48.9262, 0.3078,  
0.3448


37.9326, 0.2842,  
0.5155


51.8102, 0.3133,  
0.3273


37.4501, 0.2859,  
0.5388


55.0679, 0.3186,  
0.3119


 37.1502, 0.2887,  
0.5586

 58.7123, 0.3237,  
0.2984

 37.1241, 0.2890,  
0.5604

 62.7555, 0.3286,  
0.2867

 64.6698, 0.3232,  
0.2747

 65.3129, 0.3157,  
0.2654

# Harmonies

## Analogous

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



42.3749, 0.3483, 0.4325



42.3749, 0.2926, 0.4106



42.3749, 0.2450, 0.3593

# Triad

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



42.3749, 0.2926, 0.4106



42.3749, 0.2305, 0.2413



42.3749, 0.4191, 0.3405

# Complementary

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



42.3749, 0.2926, 0.4106



26.2514, 0.3418, 0.2598

# 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.



42.3749, 0.3817, 0.2978



42.3749, 0.2926, 0.4106



42.3749, 0.2704, 0.2431

# Square

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



42.3749, 0.2926, 0.4106



42.3749, 0.2119, 0.2609



42.3749, 0.3255, 0.2633



42.3749, 0.4240, 0.3842



# Rectangle

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



42.3749, 0.2926, 0.4106



42.3749, 0.2236, 0.3205



42.3749, 0.3255, 0.2633



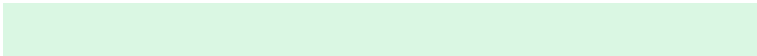
42.3749, 0.4098, 0.3258

# Sweetspot

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



42.3767, 0.2926, 0.4106



87.1089, 0.3061, 0.3509



46.5304, 0.3514, 0.4310



18.9935, 0.3054, 0.3535



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.



42.3767, 0.2926, 0.4106



74.3113, 0.2891, 0.4331



43.5964, 0.2691, 0.3529



10.6951, 0.3076, 0.3455



24.6937, 0.2884, 0.5581



0.9792, 0.2742, 0.5070



# Inverse Universe

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



26.2514, 0.3418, 0.2598



40.8867, 0.3507, 0.2448



25.0915, 0.3871, 0.3070



9.6465, 0.3182, 0.3130



8.4275, 0.4124, 0.2046



0.3411, 0.3857, 0.1898



# Previews

## White Background



This preview shows how the Yxy color 42.3749, 0.2926, 0.4106 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 42.3749, 0.2926, 0.4106 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 42.3749, 0.2926, 0.4106**

## Background



This preview shows how black text looks on a background with the Yxy color 42.3749, 0.2926, 0.4106.



This preview shows how white text looks on a background with the Yxy color 42.3749, 0.2926, 0.4106.

# 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

42.3749, 0.2926, 0.4106

### Protanopia

41.9379, 0.3621, 0.3872

### Deuteranopia

41.9000, 0.3662, 0.3602



## Tritanopia

42.1542, 0.2616, 0.3075

# Trichromacy



## Original Color

42.3749, 0.2926, 0.4106

## Protanomaly

41.5107, 0.3341, 0.3957

## Deuteranomaly

41.0180, 0.3358, 0.3773

## Tritanomaly

42.1176, 0.2722, 0.3423

# Monochromacy



## Original Color

42.3749, 0.2926, 0.4106

## Achromatopsia

36.1307, 0.3127, 0.3290

## Achromatomaly

37.8247, 0.3043, 0.3577

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  42.3749, 0.2926, 0.4106 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(116, 190, 138)` looks like.

```
.text, #text, p{  
    color:rgb(116, 190, 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(116, 190, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 190, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 42.3749, 0.2926, 0.4106 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(116, 190, 138) }
```

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

```
.border{ border-color:rgb(116, 190, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 190, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 190, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 190, 138);  
box-shadow:4px 4px 4px 4px rgb(116, 190,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.3749, 0.2926, 0.4106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 190, 138) }
```

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

```
.background{ background-color: rgb(116,  
190, 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](#).

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