

# Converting Colors

$Yxy(41.9629, 0.2909, 0.4042)$

Have a look what the booklet for  
Yxy(41.9629, 0.2909, 0.4042)  
contains.

<b>Yxy(42.0313, 0.2906, 0.4043)</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(42.0313, 0.2906, 0.4043)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74BD8D
RGB	116, 189, 141
RGB Percent	45%, 74%, 55%
CMY	0.5450, 0.2588, 0.4471
CMYK	0.39, 0.00, 0.25, 0.26
HSL	141°, 36%, 60%
HSV	141°, 39%, 74%
XYZ	30.2110, 42.0313, 31.7184
YIQ	161.7010, -28.1000, -30.4040

# Conversions

## Conversions Part 2

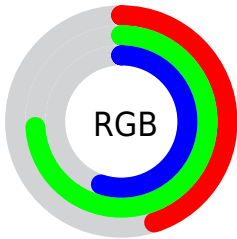
<b>Format</b>	<b>Color</b>
<b>RYB</b>	116, 170, 189
Decimal	7650701
CIELab	70.89, -33.31, 17.23
CIELCh	71, 37.502, 152.642
Yxy	42.0313, 0.2906, 0.4043
Android (android.graphics.Color)	4285840781 (0xFF74BD8D)
YUV	161.7010, -10.2056, -40.0798
Hunter-Lab	64.8316, -30.2757, 16.3749

# Details

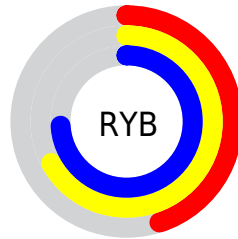
The Yxy color **42.0313, 0.2906, 0.4043** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **25.9994, 0.3452, 0.2645**, and the grayscale version is **36.0468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5096, 0.2954, 0.3891**, and **19.1400, 0.2821, 0.4285** is the 20% darker color. If you saturate the color by 10%, you get **40.5168, 0.2862, 0.4283**, and if you desaturate by 10%, it is **43.8543, 0.2958, 0.3819**.

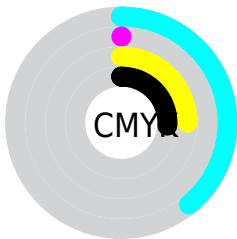
# Distribution



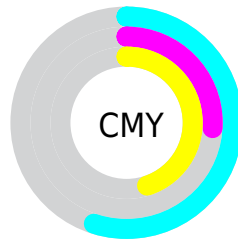
- Red (45%)
- Green (74%)
- Blue (55%)



- Red (45%)
- Yellow (67%)
- Blue (74%)



- Cyan (39%)
- Magenta (0%)
- Yellow (25%)
- Black (26%)




- Cyan (55%)
- Magenta (26%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0313, 0.2906, 0.4043 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 42.0313, 0.2906, 0.4043 by changing the saturation by 10% instead.





 42.0313, 0.2906,  
0.4043


 42.0313, 0.2906,  
0.4043


354.6127, 0.3027,  
0.3642


 29.1258, 0.2872,  
0.4152


 78.2470, 0.2953,  
0.3891

 19.1760, 0.2825,  
0.4296


 102.3260, 0.2970,  
0.3836

 11.7975, 0.2759,  
0.4498


 130.8982, 0.2984,  
0.3790

 6.6060, 0.2657,  
0.4798

164.3482, 0.2995,  
0.3751

 3.2169, 0.2483,  
0.5287

203.0602, 0.3005,  
0.3718

 1.2460, 0.1974,  
0.7385

247.4187, 0.3014,

 0.0988, 0.0000,

0.3689

1.0000

297.8081, 0.3021,  
0.3664

0.0000, 0.0000,  
0.0000

42.0313, 0.2906,  
0.4043

42.0313, 0.2906,  
0.4043

40.5168, 0.2862,  
0.4283

43.8543, 0.2958,  
0.3819

39.2882, 0.2829,  
0.4534

45.9967, 0.3015,  
0.3615

38.3280, 0.2811,  
0.4787


48.4751, 0.3075,  
0.3432


37.6143, 0.2809,  
0.5034

51.3033, 0.3136,  
0.3268


37.1219, 0.2825,  
0.5264

54.4947, 0.3195,  
0.3125

 36.8096, 0.2855,  
0.5466

 58.0615, 0.3253,  
0.2998

 36.7723, 0.2859,  
0.5492

 62.0157, 0.3309,  
0.2888

 63.9737, 0.3265,  
0.2777

 64.7402, 0.3173,  
0.2662

# Harmonies

## Analogous

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



42.0313, 0.3439, 0.4274



42.0313, 0.2906, 0.4043



42.0313, 0.2457, 0.3546

# Triad

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



42.0313, 0.2906, 0.4043



42.0313, 0.2356, 0.2445



42.0313, 0.4155, 0.3429

# Complementary

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



42.0313, 0.2906, 0.4043



25.9994, 0.3452, 0.2645

# 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.



42.0313, 0.3814, 0.3015



42.0313, 0.2906, 0.4043



42.0313, 0.2751, 0.2472

# Square

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



42.0313, 0.2906, 0.4043



42.0313, 0.2164, 0.2622



42.0313, 0.3284, 0.2676



42.0313, 0.4184, 0.3846



# Rectangle

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



42.0313, 0.2906, 0.4043



42.0313, 0.2259, 0.3179



42.0313, 0.3284, 0.2676



42.0313, 0.4073, 0.3287

# Sweetspot

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



42.0330, 0.2906, 0.4043



85.1574, 0.3053, 0.3495



45.6211, 0.3478, 0.4311



18.1873, 0.3046, 0.3519



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



42.0330, 0.2906, 0.4043



73.0344, 0.2869, 0.4237



43.2779, 0.2672, 0.3470



10.7021, 0.3071, 0.3445



24.7550, 0.2852, 0.5469



0.9822, 0.2710, 0.4958



# Inverse Universe

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



25.9994, 0.3452, 0.2645



40.4008, 0.3547, 0.2513



24.8814, 0.3909, 0.3123



9.6393, 0.3188, 0.3140



8.2789, 0.4292, 0.2138



0.3361, 0.3971, 0.1961



# Previews

## White Background



This preview shows how the Yxy color 42.0313, 0.2906, 0.4043 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 42.0313, 0.2906, 0.4043 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 42.0313, 0.2906, 0.4043**

## Background



This preview shows how black text looks on a background with the Yxy color 42.0313, 0.2906, 0.4043.



This preview shows how white text looks on a background with the Yxy color 42.0313, 0.2906, 0.4043.

# 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

42.0313, 0.2906, 0.4043

### Protanopia

41.3889, 0.3579, 0.3822

### Deuteranopia

41.4899, 0.3627, 0.3551



## Tritanopia

42.0306, 0.2616, 0.3089

# Trichromacy



**Original Color**

42.0313, 0.2906, 0.4043

**Protanomaly**

40.9893, 0.3300, 0.3903

**Deuteranomaly**

40.7207, 0.3334, 0.3716

**Tritanomaly**

42.1176, 0.2722, 0.3423

# Monochromacy



**Original Color**

42.0313, 0.2906, 0.4043

**Achromatopsia**

36.1307, 0.3127, 0.3290

**Achromatomaly**

37.8579, 0.3035, 0.3561

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.0313, 0.2906, 0.4043 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, 189, 141)` looks like.

```
.text, #text, p{  
    color:rgb(116, 189, 141)  
}
```

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, 189, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 189, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 42.0313, 0.2906, 0.4043 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, 189, 141) }
```

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

```
.border{ border-color:rgb(116, 189, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 189, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 189, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 189, 141);  
box-shadow:4px 4px 4px 4px rgb(116, 189,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.0313, 0.2906, 0.4043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 189, 141) }
```

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

```
.background{ background-color: rgb(116,  
189, 141) }
```

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