

# Converting Colors

$Yxy(41.9041, 0.2912, 0.4077)$

Have a look what the booklet for  
Yxy(41.9041, 0.2912, 0.4077)  
contains.

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# Color

**Yxy(41.9041, 0.2912, 0.4077)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73BD8B
RGB	115, 189, 139
RGB Percent	45%, 74%, 55%
CMY	0.5490, 0.2588, 0.4548
CMYK	0.39, 0.00, 0.26, 0.26
HSL	139°, 36%, 60%
HSV	139°, 39%, 74%
XYZ	29.9300, 41.9041, 30.9476
YIQ	161.1740, -28.0540, -31.2380

# Conversions

## Conversions Part 2

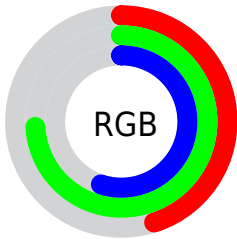
Format	Color
<a href="#">RYB</a>	<a href="#">115, 171, 189</a>
Decimal	<a href="#">7585163</a>
CIELab	<a href="#">70.80, -33.99, 18.17</a>
CIELCh	<a href="#">71, 38.540, 151.879</a>
Yxy	<a href="#">41.9041, 0.2912, 0.4077</a>
Android (android.graphics.Color)	<a href="#">4285775243 (0xFF73BD8B)</a>
YUV	<a href="#">161.1740, -10.9318, -40.4946</a>
Hunter-Lab	<a href="#">64.7334, -30.7524, 16.9681</a>

# Details

The Yxy color **41.9041, 0.2912, 0.4077** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **25.7974, 0.3443, 0.2619**, and the grayscale version is **35.7895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3078, 0.2959, 0.3917**, and **19.0733, 0.2830, 0.4335** is the 20% darker color. If you saturate the color by 10%, you get **40.4014, 0.2870, 0.4324**, and if you desaturate by 10%, it is **43.7165, 0.2962, 0.3846**.

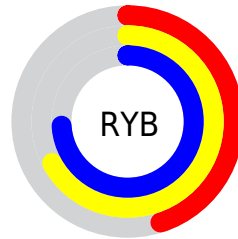
# Distribution



Red (45%)

Green (74%)

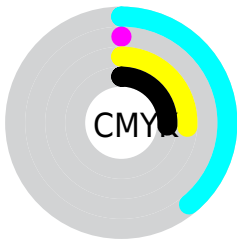
Blue (55%)



Red (45%)

Yellow (67%)

Blue (74%)

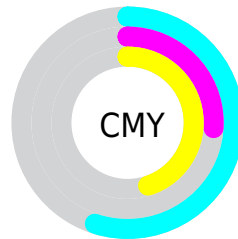


Cyan (39%)

Magenta (0%)

Yellow (26%)

Black (26%)



Cyan (55%)

Magenta (26%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9041, 0.2912, 0.4077 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 41.9041, 0.2912, 0.4077 by changing the saturation by 10% instead.




 41.9041, 0.2912,  
0.4077

 41.9041, 0.2912,  
0.4077


354.0852, 0.3031,  
0.3657

 29.0262, 0.2878,  
0.4191


 78.0545, 0.2958,  
0.3918

 19.1006, 0.2832,  
0.4343


 102.0957, 0.2975,  
0.3860

 11.7430, 0.2765,  
0.4555


 130.6269, 0.2988,  
0.3812

 6.5689, 0.2662,  
0.4871

164.0324, 0.3000,  
0.3771

 3.1940, 0.2483,  
0.5385

202.6966, 0.3009,  
0.3737

 1.2338, 0.1952,  
0.7842

247.0038, 0.3018,

 0.0891, 0.0000,

0.3707

1.0000

297.3386, 0.3025,  
0.3680

0.0000, 0.0000,  
0.0000

41.9041, 0.2912,  
0.4077

41.9041, 0.2912,  
0.4077

40.4014, 0.2870,  
0.4324

43.7165, 0.2962,  
0.3846

39.1856, 0.2839,  
0.4582

45.8496, 0.3017,  
0.3635

38.2389, 0.2823,  
0.4841

48.3202, 0.3074,  
0.3445

37.5391, 0.2823,  
0.5092

51.1424, 0.3132,  
0.3276


37.0606, 0.2839,  
0.5322


54.3295, 0.3189,  
0.3128


 36.7588, 0.2869,  
0.5522

 57.8940, 0.3245,  
0.2998

 36.7365, 0.2872,  
0.5538

 61.8479, 0.3298,  
0.2884

 64.0149, 0.3260,  
0.2770

 64.8053, 0.3165,  
0.2653

# Harmonies

## Analogous

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



41.9041, 0.3460, 0.4305



41.9041, 0.2912, 0.4077



41.9041, 0.2448, 0.3568

# Triad

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



41.9041, 0.2912, 0.4077



41.9041, 0.2328, 0.2424



41.9041, 0.4179, 0.3419

# Complementary

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



41.9041, 0.2912, 0.4077



25.7974, 0.3443, 0.2619

# 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.



41.9041, 0.3822, 0.2997



41.9041, 0.2912, 0.4077



41.9041, 0.2728, 0.2448

# Square

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



41.9041, 0.2912, 0.4077



41.9041, 0.2137, 0.2611



41.9041, 0.3273, 0.2653



41.9041, 0.4217, 0.3848



# Rectangle

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



41.9041, 0.2912, 0.4077



41.9041, 0.2242, 0.3188



41.9041, 0.3273, 0.2653



41.9041, 0.4092, 0.3274

# Sweetspot

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



41.9058, 0.2912, 0.4077



85.1294, 0.3056, 0.3501



45.6941, 0.3493, 0.4322



18.1807, 0.3049, 0.3525



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.



41.9058, 0.2912, 0.4077



72.7032, 0.2875, 0.4289



43.1532, 0.2675, 0.3492



10.6993, 0.3073, 0.3449



24.7298, 0.2865, 0.5515



0.9810, 0.2723, 0.5001



# Inverse Universe

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



25.7974, 0.3443, 0.2619



39.8005, 0.3539, 0.2477



24.6553, 0.3908, 0.3103



9.6421, 0.3186, 0.3136



8.3359, 0.4225, 0.2101



0.3380, 0.3926, 0.1936



# Previews

## White Background



This preview shows how the Yxy color 41.9041, 0.2912, 0.4077 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 41.9041, 0.2912, 0.4077 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 41.9041, 0.2912, 0.4077**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.9041, 0.2912, 0.4077.

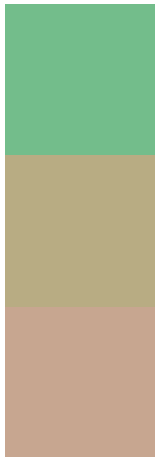


This preview shows how white text looks on a background with the Yxy color 41.9041, 0.2912, 0.4077.

# 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

41.9041, 0.2912, 0.4077

### Protanopia

41.3341, 0.3597, 0.3850

### Deuteranopia

41.4282, 0.3646, 0.3577



## Tritanopia

41.9534, 0.2609, 0.3088

# Trichromacy



## Original Color

41.9041, 0.2912, 0.4077



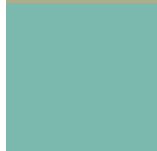
## Protanomaly

40.9329, 0.3317, 0.3932



## Deuteranomaly

40.5499, 0.3342, 0.3747



## Tritanomaly

42.0040, 0.2722, 0.3438

# Monochromacy



## Original Color

41.9041, 0.2912, 0.4077



## Achromatopsia

35.6400, 0.3127, 0.3290



## Achromatomaly

37.3550, 0.3035, 0.3563

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.9041, 0.2912, 0.4077 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(115, 189, 139)` looks like.

```
.text, #text, p{  
    color:rgb(115, 189, 139)  
}
```

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(115, 189, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 189, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 41.9041, 0.2912, 0.4077 is called "border". The border property can be set on classes, ids or directly on the HTML element.

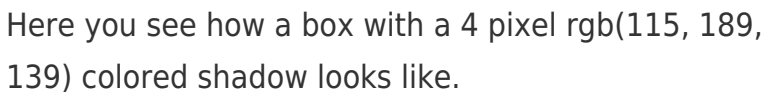
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 189, 139) }
```

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

```
.border{ border-color:rgb(115, 189, 139) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 189, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 189, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 189, 139); box-shadow:4px 4px 4px 4px rgb(115, 189, 139) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.9041, 0.2912, 0.4077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 189, 139) }
```

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

```
.background{ background-color: rgb(115,  
189, 139) }
```

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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