

# Converting Colors

$Y_{xy}(41.8933, 0.2885, 0.3945)$

Have a look what the booklet for  
Yxy(41.8933, 0.2885, 0.3945)  
contains.

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# Color

**Yxy(41.8933, 0.2885, 0.3945)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76BC92
RGB	118, 188, 146
RGB Percent	46%, 74%, 57%
CMY	0.5375, 0.2627, 0.4275
CMYK	0.37, 0.00, 0.22, 0.26
HSL	144°, 34%, 60%
HSV	144°, 37%, 74%
XYZ	30.6368, 41.8933, 33.6633
YIQ	162.2820, -28.2380, -27.9020

# Conversions

## Conversions Part 2

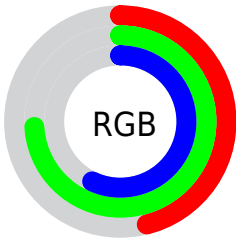
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 168, 188
Decimal	7781522
CIELab	70.80, -31.30, 14.41
CIELCh	71, 34.461, 155.276
Yxy	41.8933, 0.2885, 0.3945
Android (android.graphics.Color)	4285971602 (0xFF76BC92)
YUV	162.2820, -8.0270, -38.8353
Hunter-Lab	64.7250, -28.7780, 14.4710

# Details

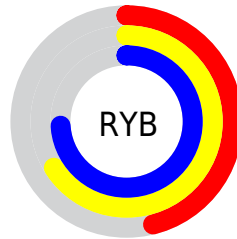
The Yxy color **41.8933, 0.2885, 0.3945** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **26.1740, 0.3486, 0.2719**, and the grayscale version is **36.3138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2456, 0.2932, 0.3818**, and **19.0002, 0.2801, 0.4167** is the 20% darker color. If you saturate the color by 10%, you get **40.3743, 0.2834, 0.4161**, and if you desaturate by 10%, it is **43.7127, 0.2944, 0.3745**.

# Distribution



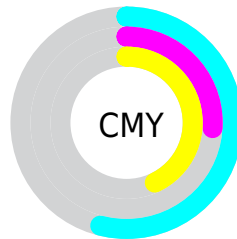
- Red (46%)
- Green (74%)
- Blue (57%)



- Red (46%)
- Yellow (66%)
- Blue (74%)



- Cyan (37%)
- Magenta (0%)
- Yellow (22%)
- Black (26%)




- Cyan (54%)
- Magenta (26%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8933, 0.2885, 0.3945 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 41.8933, 0.2885, 0.3945 by changing the saturation by 10% instead.




 41.8933, 0.2885,  
0.3945

 41.8933, 0.2885,  
0.3945


354.0404, 0.3015,  
0.3598

 29.0178, 0.2849,  
0.4039


 78.0381, 0.2935,  
0.3814

 19.0943, 0.2802,  
0.4163


 102.0762, 0.2952,  
0.3766

 11.7384, 0.2734,  
0.4337


 130.6038, 0.2967,  
0.3726

 6.5658, 0.2633,  
0.4595

164.0055, 0.2980,  
0.3693

 3.1921, 0.2465,  
0.5015

202.6657, 0.2991,  
0.3664

 1.2328, 0.1959,  
0.6493

246.9686, 0.3000,

 0.0883, 0.0000,

0.3639

1.0000

297.2987, 0.3008,  
0.3617

0.0000, 0.0000,  
0.0000

41.8933, 0.2885,  
0.3945

41.8933, 0.2885,  
0.3945

40.3743, 0.2834,  
0.4161

43.7127, 0.2944,  
0.3745

39.1338, 0.2795,  
0.4388

45.8426, 0.3009,  
0.3562

38.1551, 0.2771,  
0.4621


48.2989, 0.3077,  
0.3398


37.4176, 0.2764,  
0.4852


51.0952, 0.3146,  
0.3252


36.8973, 0.2776,  
0.5073

54.2438, 0.3214,  
0.3123

 36.5603, 0.2805,  
0.5275

 57.7569, 0.3280,  
0.3009

 36.4837, 0.2813,  
0.5328

 61.6458, 0.3344,  
0.2910

 63.2994, 0.3299,  
0.2807

 63.9763, 0.3213,  
0.2702

# Harmonies

## Analogous

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



41.8933, 0.3376, 0.4185



41.8933, 0.2885, 0.3945



41.8933, 0.2480, 0.3482

# Triad

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



41.8933, 0.2885, 0.3945



41.8933, 0.2439, 0.2502



41.8933, 0.4086, 0.3459

# Complementary

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



41.8933, 0.2885, 0.3945



26.1740, 0.3486, 0.2719

# 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.



41.8933, 0.3796, 0.3070



41.8933, 0.2885, 0.3945



41.8933, 0.2821, 0.2541

# Square

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



41.8933, 0.2885, 0.3945



41.8933, 0.2241, 0.2653



41.8933, 0.3319, 0.2744



41.8933, 0.4090, 0.3842



# Rectangle

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



41.8933, 0.2885, 0.3945



41.8933, 0.2306, 0.3150



41.8933, 0.3319, 0.2744



41.8933, 0.4019, 0.3326

# Sweetspot

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



41.8950, 0.2885, 0.3945



85.7073, 0.3050, 0.3460



44.7509, 0.3425, 0.4288



18.3007, 0.3041, 0.3482



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.



41.8950, 0.2885, 0.3945



73.5491, 0.2841, 0.4127



43.1563, 0.2656, 0.3392



10.7112, 0.3063, 0.3431



24.8500, 0.2807, 0.5304



0.9864, 0.2669, 0.4808



# Inverse Universe

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



26.1740, 0.3486, 0.2719



40.8071, 0.3601, 0.2591



25.1167, 0.3931, 0.3194



9.6298, 0.3197, 0.3153



8.1020, 0.4522, 0.2265



0.3300, 0.4129, 0.2048



# Previews

## White Background



This preview shows how the Yxy color 41.8933, 0.2885, 0.3945 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 41.8933, 0.2885, 0.3945 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

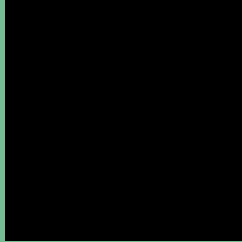
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.8933, 0.2885, 0.3945**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.8933, 0.2885, 0.3945.



This preview shows how white text looks on a background with the Yxy color 41.8933, 0.2885, 0.3945.

# 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

41.8933, 0.2885, 0.3945

### Protanopia

41.4073, 0.3525, 0.3755

### Deuteranopia

41.3771, 0.3560, 0.3487



## Tritanopia

41.7004, 0.2620, 0.3074

# Trichromacy



**Original Color**

41.8933, 0.2885, 0.3945

**Protanomaly**

41.1348, 0.3260, 0.3828

**Deuteranomaly**

40.7669, 0.3282, 0.3645

**Tritanomaly**

41.8553, 0.2714, 0.3378

# Monochromacy



**Original Color**

41.8933, 0.2885, 0.3945

**Achromatopsia**

36.1307, 0.3127, 0.3290

**Achromatomaly**

37.6371, 0.3028, 0.3515

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.8933, 0.2885, 0.3945 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, 188, 146)` looks like.

```
.text, #text, p{  
    color:rgb(118, 188, 146)  
}
```

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, 188, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 188, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 41.8933, 0.2885, 0.3945 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, 188, 146) }
```

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

```
.border{ border-color:rgb(118, 188, 146) }
```

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

Here you see how a box with a 4 pixel rgb(118, 188, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 188, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 188, 146);  
box-shadow:4px 4px 4px 4px rgb(118, 188,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.8933, 0.2885, 0.3945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 188, 146) }
```

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

```
.background{ background-color: rgb(118,  
188, 146) }
```

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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