

# Converting Colors

$Yxy(40.7015, 0.2988, 0.3933)$

Have a look what the booklet for  
Yxy(40.7015, 0.2988, 0.3933)  
contains.

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# Color

**Yxy(40.8232, 0.2985, 0.3941)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80B88E
RGB	128, 184, 142
RGB Percent	50%, 72%, 56%
CMY	0.4982, 0.2784, 0.4431
CMYK	0.30, 0.00, 0.23, 0.28
HSL	135°, 28%, 61%
HSV	135°, 30%, 72%
XYZ	30.9204, 40.8232, 31.8423
YIQ	162.4680, -19.8940, -24.9340

# Conversions

## Conversions Part 2

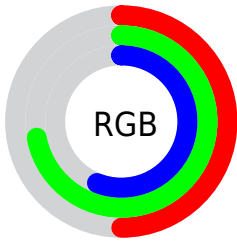
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 173, 184
Decimal	8435854
CIELab	70.05, -27.03, 15.61
CIElCh	70, 31.219, 149.994
Yxy	40.8232, 0.2985, 0.3941
Android (android.graphics.Color)	4286625934 (0xFF80B88E)
YUV	162.4680, -10.0907, -30.2284
Hunter-Lab	63.8930, -25.4295, 15.1768

# Details

The Yxy color **40.8232, 0.2985, 0.3941** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.5201, 0.3310, 0.2718**, and the grayscale version is **36.4145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2508, 0.3014, 0.3804**, and **18.5831, 0.2932, 0.4156** is the 20% darker color. If you saturate the color by 10%, you get **39.1367, 0.2944, 0.4201**, and if you desaturate by 10%, it is **42.8231, 0.3030, 0.3703**.

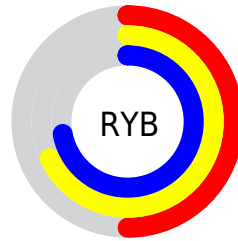
# Distribution



Red (50%)

Green (72%)

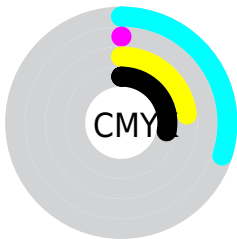
Blue (56%)



Red (50%)

Yellow (68%)

Blue (72%)

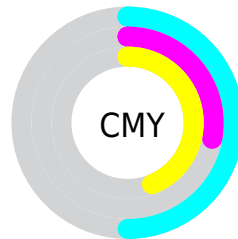


Cyan (30%)

Magenta (0%)

Yellow (23%)

Black (28%)



Cyan (50%)

Magenta (28%)


Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8232, 0.2985, 0.3941 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 40.8232, 0.2985, 0.3941 by changing the saturation by 10% instead.





 40.8232, 0.2985,  
0.3941

 40.8232, 0.2985,  
0.3941


349.5811, 0.3064,  
0.3595


 28.1810, 0.2962,  
0.4035

 76.4154, 0.3016,  
0.3810

 18.4621, 0.2931,  
0.4159


 100.1342, 0.3027,  
0.3762

 11.2823, 0.2885,  
0.4334


 128.3140, 0.3036,  
0.3723

 6.2570, 0.2814,  
0.4593

161.3391, 0.3044,  
0.3689

 3.0020, 0.2688,  
0.5018

199.5940, 0.3050,  
0.3661

 1.1328, 0.2410,  
0.6863

243.4630, 0.3056,

 0.0057, 0.0000,

0.3636

1.0000

293.3306, 0.3060,  
0.3614

0.0000, 0.0000,  
0.0000

40.8232, 0.2985,  
0.3941

40.8232, 0.2985,  
0.3941

39.1367, 0.2944,  
0.4201

42.8231, 0.3030,  
0.3703

37.7425, 0.2910,  
0.4476

45.1461, 0.3078,  
0.3489

36.6252, 0.2886,  
0.4760

47.8074, 0.3125,  
0.3298


35.7655, 0.2874,  
0.5039


50.8202, 0.3171,  
0.3131

35.1418, 0.2877,  
0.5300

54.1967, 0.3216,  
0.2985


 34.7287, 0.2894,  
0.5528

 57.9485, 0.3259,  
0.2858

 34.4840, 0.2918,  
0.5705

 61.7504, 0.3285,  
0.2745

 62.5947, 0.3180,  
0.2619

 62.7659, 0.3160,  
0.2595

# Harmonies

## Analogous

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



40.8232, 0.3437, 0.4114



40.8232, 0.2985, 0.3941



40.8232, 0.2590, 0.3548

# Triad

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



40.8232, 0.2985, 0.3941



40.8232, 0.2449, 0.2576



40.8232, 0.3974, 0.3385

# Complementary

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



40.8232, 0.2985, 0.3941



28.5201, 0.3310, 0.2718

# 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.



40.8232, 0.3670, 0.3030



40.8232, 0.2985, 0.3941



40.8232, 0.2776, 0.2581

# Square

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



40.8232, 0.2985, 0.3941



40.8232, 0.2299, 0.2751



40.8232, 0.3221, 0.2744



40.8232, 0.4027, 0.3744



# Rectangle

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



40.8232, 0.2985, 0.3941



40.8232, 0.2407, 0.3243



40.8232, 0.3221, 0.2744



40.8232, 0.3897, 0.3263

# Sweetspot

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



40.8249, 0.2985, 0.3941



82.4252, 0.3084, 0.3462



44.3891, 0.3451, 0.4073



17.6272, 0.3077, 0.3491



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



40.8249, 0.2985, 0.3941



71.7503, 0.2955, 0.4125



41.7740, 0.2788, 0.3498



10.0961, 0.3083, 0.3466



23.7725, 0.2913, 0.5685



0.8483, 0.2766, 0.5157



# Inverse Universe

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



28.5201, 0.3310, 0.2718



45.6441, 0.3365, 0.2582



27.5712, 0.3631, 0.3093



9.1232, 0.3175, 0.3120



8.2974, 0.3953, 0.1951



0.3018, 0.3723, 0.1825



# Previews

## White Background



This preview shows how the Yxy color 40.8232, 0.2985, 0.3941 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 40.8232, 0.2985, 0.3941 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

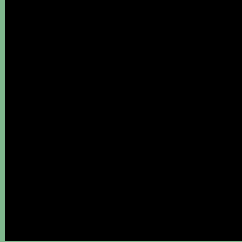
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.8232, 0.2985, 0.3941**

## Background



This preview shows how black text looks on a background with the Yxy color 40.8232, 0.2985, 0.3941.



This preview shows how white text looks on a background with the Yxy color 40.8232, 0.2985, 0.3941.

# 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

40.8232, 0.2985, 0.3941

### Protanopia

40.3225, 0.3538, 0.3774

### Deuteranopia

40.3620, 0.3604, 0.3528



## Tritanopia

40.6533, 0.2702, 0.3075

# Trichromacy



**Original Color**

40.8232, 0.2985, 0.3941

**Protanomaly**

40.1763, 0.3317, 0.3828

**Deuteranomaly**

39.8281, 0.3350, 0.3659

**Tritanomaly**

40.7668, 0.2800, 0.3378

# Monochromacy



**Original Color**

40.8232, 0.2985, 0.3941

**Achromatopsia**

36.1307, 0.3127, 0.3290

**Achromatomaly**

37.6000, 0.3072, 0.3514

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.8232, 0.2985, 0.3941 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(128, 184, 142)` looks like.

```
.text, #text, p{  
    color:rgb(128, 184, 142)  
}
```

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(128, 184, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 184, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 40.8232, 0.2985, 0.3941 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(128, 184, 142) }
```

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

```
.border{ border-color:rgb(128, 184, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 184, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 184, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 184, 142);  
box-shadow:4px 4px 4px 4px rgb(128, 184,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.8232, 0.2985, 0.3941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 184, 142) }
```

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

```
.background{ background-color: rgb(128,  
184, 142) }
```

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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