

Converting Colors

$Yxy(41.1906, 0.3032, 0.3949)$

Have a look what the booklet for
Yxy(41.1906, 0.3032, 0.3949)
contains.

Yxy(41.1906, 0.3032, 0.3949)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.1906, 0.3032, 0.3949)

Conversions

Conversions Part 1

Format	Color
Hex	85B88D
RGB	133, 184, 141
RGB Percent	52%, 72%, 55%
CMY	0.4783, 0.2784, 0.4470
CMYK	0.28, 0.00, 0.23, 0.28
HSL	129°, 26%, 62%
HSV	129°, 28%, 72%
XYZ	31.6257, 41.1906, 31.4901
YIQ	163.8490, -16.5930, -24.1850

Conversions

Conversions Part 2

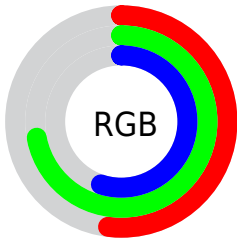
Format	Color
RYB	133, 177, 184
Decimal	8763533
CIELab	70.31, -25.55, 16.55
CIElCh	70, 30.439, 147.070
Yxy	41.1906, 0.3032, 0.3949
Android (android.graphics.Color)	4286953613 (0xFF85B88D)
YUV	163.8490, -11.2646, -27.0546
Hunter-Lab	64.1799, -24.3560, 15.8351

Details

The Yxy color **41.1906, 0.3032, 0.3949** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.1085, 0.3240, 0.2710**, and the grayscale version is **37.1135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8251, 0.3052, 0.3812**, and **18.7818, 0.2991, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **39.3931, 0.3000, 0.4236**, and if you desaturate by 10%, it is **43.3187, 0.3066, 0.3687**.

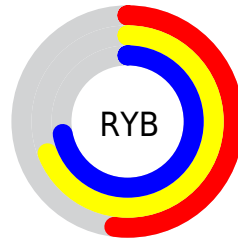
Distribution



Red (52%)

Green (72%)

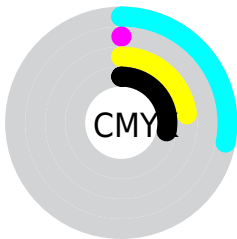
Blue (55%)



Red (52%)

Yellow (69%)

Blue (72%)

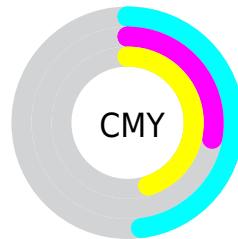


Cyan (28%)

Magenta (0%)

Yellow (23%)

Black (28%)



Cyan (48%)


Magenta (28%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1906, 0.3032, 0.3949 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 41.1906, 0.3032, 0.3949 by changing the saturation by 10% instead.


 41.1906, 0.3032,
0.3949


 41.1906, 0.3032,
0.3949


351.1166, 0.3087,
0.3599


 28.4680, 0.3015,
0.4043


 76.9731, 0.3054,
0.3817

 18.6788, 0.2992,
0.4169


 100.8019, 0.3062,
0.3769

 11.4384, 0.2957,
0.4343


 129.1016, 0.3068,
0.3729

 6.3625, 0.2901,
0.4603

162.2565, 0.3073,
0.3695

 3.0667, 0.2798,
0.5024

200.6510, 0.3078,
0.3666

 1.1667, 0.2691,
0.6808

244.6697, 0.3081,

 0.0342, 0.0000,

0.3641

1.0000

294.6967, 0.3085,
0.3619

0.0000, 0.0000,
0.0000

41.1906, 0.3032,
0.3949

41.1906, 0.3032,
0.3949

39.3931, 0.3000,
0.4236

43.3187, 0.3066,
0.3687

37.9045, 0.2972,
0.4541

45.7873, 0.3101,
0.3452

36.7089, 0.2950,
0.4854

48.6124, 0.3135,
0.3245

35.7865, 0.2937,
0.5157

51.8075, 0.3167,
0.3064

35.1155, 0.2935,
0.5434

55.3852, 0.3198,
0.2907

■ 34.6702, 0.2943,
0.5663

■ 59.3578, 0.3227,
0.2771

■ 34.4134, 0.2960,
0.5834

■ 62.4185, 0.3200,
0.2643

■ 34.3675, 0.2962,
0.5865

■ 62.7596, 0.3160,
0.2595

Harmonies

Analogous

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



41.1906, 0.3471, 0.4092



41.1906, 0.3032, 0.3949



41.1906, 0.2637, 0.3583

Triad

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



41.1906, 0.3032, 0.3949



41.1906, 0.2444, 0.2604



41.1906, 0.3931, 0.3349

Complementary

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



41.1906, 0.3032, 0.3949



30.1085, 0.3240, 0.2710

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.



41.1906, 0.3617, 0.3006



41.1906, 0.3032, 0.3949



41.1906, 0.2748, 0.2591

Square

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



41.1906, 0.3032, 0.3949



41.1906, 0.2316, 0.2793



41.1906, 0.3175, 0.2737



41.1906, 0.4009, 0.3701

Rectangle

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



41.1906, 0.3032, 0.3949



41.1906, 0.2448, 0.3288



41.1906, 0.3175, 0.2737



41.1906, 0.3849, 0.3230

Sweetspot

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



41.1923, 0.3032, 0.3949



82.7976, 0.3099, 0.3462



45.2450, 0.3469, 0.3988



17.6968, 0.3094, 0.3495



93.3107, 0.3127, 0.3290



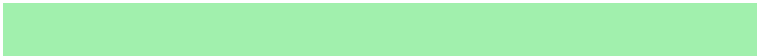
18.7317, 0.3127, 0.3290

Same Dimension

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



41.1923, 0.3032, 0.3949



72.6962, 0.3013, 0.4114



42.0277, 0.2852, 0.3555



10.0825, 0.3095, 0.3488



23.6937, 0.2958, 0.5850



0.8425, 0.2845, 0.5440

Inverse Universe

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



30.1085, 0.3240, 0.2710



49.3853, 0.3269, 0.2587



29.2037, 0.3513, 0.3041



9.1379, 0.3161, 0.3099



8.6664, 0.3643, 0.1781



0.3121, 0.3514, 0.1710

Previews

White Background



This preview shows how the Yxy color 41.1906, 0.3032, 0.3949 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 41.1906, 0.3032, 0.3949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

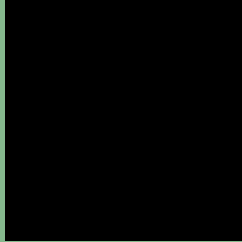
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.1906, 0.3032, 0.3949

Background



This preview shows how black text looks on a background with the Yxy color 41.1906, 0.3032, 0.3949.



This preview shows how white text looks on a background with the Yxy color 41.1906, 0.3032, 0.3949.

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

41.1906, 0.3032, 0.3949

Protanopia

40.8202, 0.3545, 0.3785

Deuteranopia

40.8249, 0.3620, 0.3553



Tritanopia

40.9567, 0.2738, 0.3091

Trichromacy



Original Color

41.1906, 0.3032, 0.3949

Protanomaly

40.7493, 0.3342, 0.3853

Deuteranomaly

40.5173, 0.3386, 0.3683

Tritanomaly

41.1486, 0.2845, 0.3392

Monochromacy



Original Color

41.1906, 0.3032, 0.3949

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.2984, 0.3090, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1906, 0.3032, 0.3949 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(133, 184, 141)` looks like.

```
.text, #text, p{  
    color:rgb(133, 184, 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(133, 184, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 184, 141) }
```

Border

The CSS property to change the border of an element to Yxy 41.1906, 0.3032, 0.3949 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(133, 184, 141) }
```

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

```
.border{ border-color:rgb(133, 184, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 184, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 184, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 184, 141);  
box-shadow:4px 4px 4px 4px rgb(133, 184,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1906, 0.3032, 0.3949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 184, 141) }
```

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

```
.background{ background-color: rgb(133,  
184, 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