

Converting Colors

$Yxy(41.5932, 0.2890, 0.3845)$

Have a look what the booklet for
Yxy(41.5932, 0.2890, 0.3845)
contains.

Yxy(41.5308, 0.2892, 0.3846)	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(41.5308, 0.2892, 0.3846)

Conversions

Conversions Part 1

Format	Color
Hex	7BBA96
RGB	123, 186, 150
RGB Percent	48%, 73%, 59%
CMY	0.5178, 0.2706, 0.4118
CMYK	0.34, 0.00, 0.19, 0.27
HSL	146°, 31%, 61%
HSV	146°, 34%, 73%
XYZ	31.2291, 41.5308, 35.2245
YIQ	163.0590, -25.9920, -24.5520

Conversions

Conversions Part 2

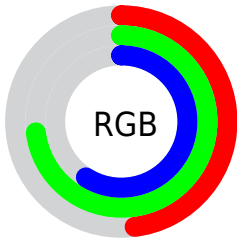
Format	Color
RYB	123, 167, 186
Decimal	8108694
CIELab	70.55, -28.02, 11.92
CIELCh	71, 30.455, 156.955
Yxy	41.5308, 0.2892, 0.3846
Android (android.graphics.Color)	4286298774 (0xFF7BBA96)
YUV	163.0590, -6.4381, -35.1317
Hunter-Lab	64.4444, -26.2784, 12.7039

Details

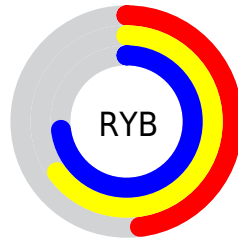
The Yxy color **41.5308, 0.2892, 0.3846** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.1014, 0.3465, 0.2796**, and the grayscale version is **36.6933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2110, 0.2939, 0.3733**, and **18.7430, 0.2813, 0.4024** is the 20% darker color. If you saturate the color by 10%, you get **39.9620, 0.2835, 0.4046**, and if you desaturate by 10%, it is **43.3947, 0.2957, 0.3662**.

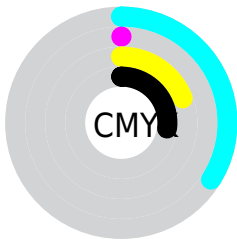
Distribution



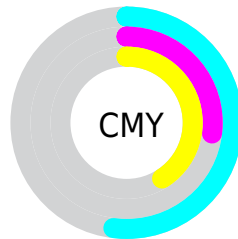
- Red (48%)
- Green (73%)
- Blue (59%)



- Red (48%)
- Yellow (65%)
- Blue (73%)



- Cyan (34%)
- Magenta (0%)
- Yellow (19%)
- Black (27%)



- Cyan (52%)
- Magenta (27%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5308, 0.2892, 0.3846 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 41.5308, 0.2892, 0.3846 by changing the saturation by 10% instead.

 41.5308, 0.2892,
0.3846

 41.5308, 0.2892,
0.3846


352.5342, 0.3017,
0.3552


 28.7341, 0.2858,
0.3925


 77.4890, 0.2939,
0.3735

 18.8797, 0.2813,
0.4030


 101.4193, 0.2956,
0.3695

 11.5834, 0.2751,
0.4175


 129.8295, 0.2971,
0.3661

 6.4607, 0.2658,
0.4391

163.1042, 0.2983,
0.3633

 3.1272, 0.2505,
0.4743

201.6275, 0.2993,
0.3608

 1.1985, 0.2064,
0.5813

245.7841, 0.3002,

 0.0605, 0.0000,

0.3587

1.0000

295.9582, 0.3010,
0.3569

0.0000, 0.0000,
0.0000

41.5308, 0.2892,
0.3846

41.5308, 0.2892,
0.3846

39.9620, 0.2835,
0.4046

43.3947, 0.2957,
0.3662

38.6675, 0.2789,
0.4258

45.5629, 0.3027,
0.3494

37.6319, 0.2757,
0.4479


48.0507, 0.3099,
0.3344


36.8360, 0.2742,
0.4702

50.8706, 0.3172,
0.3210

36.2579, 0.2747,
0.4919

54.0347, 0.3243,
0.3093

 35.8713, 0.2770,
0.5123

 57.5541, 0.3313,
0.2989

 35.6973, 0.2789,
0.5240

 61.4398, 0.3380,
0.2899

 62.3798, 0.3310,
0.2798

 63.0125, 0.3229,
0.2699

Harmonies

Analogous

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



41.5308, 0.3328, 0.4072



41.5308, 0.2892, 0.3846



41.5308, 0.2535, 0.3437

Triad

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



41.5308, 0.2892, 0.3846



41.5308, 0.2528, 0.2582



41.5308, 0.3984, 0.3467

Complementary

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



41.5308, 0.2892, 0.3846



27.1014, 0.3465, 0.2796

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.



41.5308, 0.3740, 0.3114



41.5308, 0.2892, 0.3846



41.5308, 0.2880, 0.2624

Square

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



41.5308, 0.2892, 0.3846



41.5308, 0.2339, 0.2712



41.5308, 0.3325, 0.2815



41.5308, 0.3975, 0.3805

Rectangle

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



41.5308, 0.2892, 0.3846



41.5308, 0.2385, 0.3147



41.5308, 0.3325, 0.2815



41.5308, 0.3928, 0.3348

Sweetspot

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



41.5325, 0.2892, 0.3846



84.1869, 0.3053, 0.3436



43.9981, 0.3391, 0.4193



18.4028, 0.3043, 0.3458



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.



41.5325, 0.2892, 0.3846



73.0110, 0.2847, 0.4001



42.6566, 0.2686, 0.3366



10.1223, 0.3059, 0.3423



24.0278, 0.2782, 0.5215



0.8595, 0.2637, 0.4693

Inverse Universe

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



27.1014, 0.3465, 0.2796



42.6990, 0.3572, 0.2681



26.1634, 0.3842, 0.3218



9.0959, 0.3201, 0.3160



7.7419, 0.4636, 0.2328



0.2851, 0.4175, 0.2073

Previews

White Background



This preview shows how the Yxy color 41.5308, 0.2892, 0.3846 looks on a white background.

Color Contrast Check

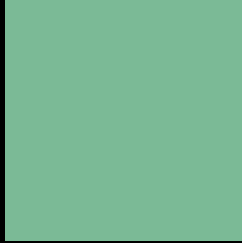
Large Text (above 18pt) WCAG AA × Fail

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 41.5308, 0.2892, 0.3846 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 41.5308, 0.2892, 0.3846

Background



This preview shows how black text looks on a background with the Yxy color 41.5308, 0.2892, 0.3846.

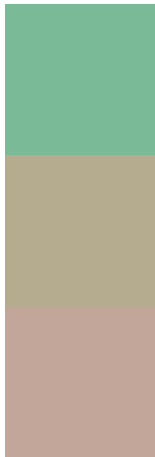


This preview shows how white text looks on a background with the Yxy color 41.5308, 0.2892, 0.3846.

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

41.5308, 0.2892, 0.3846

Protanopia

40.9327, 0.3464, 0.3676

Deuteranopia

41.2076, 0.3513, 0.3448



Tritanopia

41.4431, 0.2651, 0.3089

Trichromacy



Original Color

41.5308, 0.2892, 0.3846

Protanomaly

40.5996, 0.3231, 0.3725

Deuteranomaly

40.6221, 0.3259, 0.3573

Tritanomaly

41.3374, 0.2739, 0.3348

Monochromacy



Original Color

41.5308, 0.2892, 0.3846

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.8903, 0.3029, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5308, 0.2892, 0.3846 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(123, 186, 150)` looks like.

```
.text, #text, p{  
    color:rgb(123, 186, 150)  
}
```

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(123, 186, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 186, 150) }
```

Border

The CSS property to change the border of an element to Yxy 41.5308, 0.2892, 0.3846 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(123, 186, 150) }
```

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

```
.border{ border-color:rgb(123, 186, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 186, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 186, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 186, 150);  
box-shadow:4px 4px 4px 4px rgb(123, 186,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5308, 0.2892, 0.3846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 186, 150) }
```

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

```
.background{ background-color: rgb(123,  
186, 150) }
```

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