

Converting Colors

$Y_{xy}(49.0300, 0.3011, 0.4361)$

Have a look what the booklet for
Yxy(49.0300, 0.3011, 0.4361)
contains.

Yxy(48.9892, 0.3009, 0.4363)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.9892, 0.3009, 0.4363)

Conversions

Conversions Part 1

Format	Color
Hex	7ACC84
RGB	122, 204, 132
RGB Percent	48%, 80%, 52%
CMY	0.5215, 0.2000, 0.4823
CMYK	0.40, 0.00, 0.35, 0.20
HSL	127°, 45%, 64%
HSV	127°, 40%, 80%
XYZ	33.7860, 48.9892, 29.5080
YIQ	171.2740, -25.7600, -39.7760

Conversions

Conversions Part 2

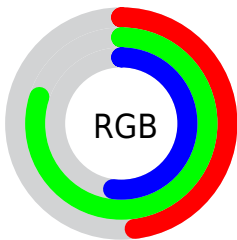
Format	Color
RYB	122, 195, 204
Decimal	8047748
CIELab	75.44, -39.97, 28.24
CIElCh	75, 48.936, 144.759
Yxy	48.9892, 0.3009, 0.4363
Android (android.graphics.Color)	4286237828 (0xFF7ACC84)
YUV	171.2740, -19.3621, -43.2133
Hunter-Lab	69.9923, -36.3226, 23.9985

Details

The Yxy color **48.9892, 0.3009, 0.4363** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **30.6565, 0.3275, 0.2413**, and the grayscale version is **40.9818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5301, 0.3043, 0.4084**, and **23.2974, 0.2941, 0.4698** is the 20% darker color. If you saturate the color by 10%, you get **47.2057, 0.2985, 0.4685**, and if you desaturate by 10%, it is **51.1735, 0.3037, 0.4056**.

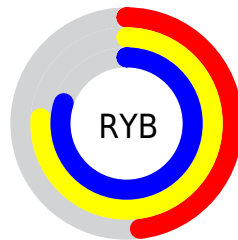
Distribution



Red (48%)

Green (80%)

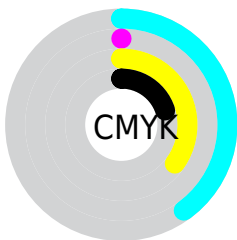
Blue (52%)



Red (48%)

Yellow (76%)

Blue (80%)

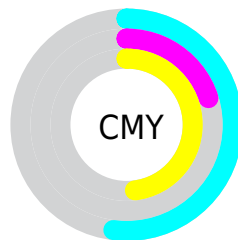


Cyan (40%)

Magenta (0%)

Yellow (35%)

Black (20%)



Cyan (52%)


Magenta (20%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9892, 0.3009, 0.4363 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 48.9892, 0.3009, 0.4363 by changing the saturation by 10% instead.


 48.9892, 0.3009,
0.4363


 48.9892, 0.3009,
0.4363


382.6998, 0.3086,
0.3800

 34.6109, 0.2984,
0.4511


 88.6754, 0.3041,
0.4152

 23.3633, 0.2948,
0.4706

 114.7521, 0.3052,
0.4075

 14.8620, 0.2893,
0.4971


 145.4971, 0.3061,
0.4010

 8.7226, 0.2802,
0.5352

181.2947, 0.3067,
0.3955

 4.5607, 0.2638,
0.5933

222.5294, 0.3073,
0.3908

 1.9919, 0.2459,
0.7541

269.5856, 0.3078,

 0.6028, 0.0000,

0.3867

1.0000

322.8476, 0.3082,
0.3831

■ 0.0000, 0.0000,
0.0000

■ 48.9892, 0.3009,
0.4363

■ 48.9892, 0.3009,
0.4363

■ 47.2057, 0.2985,
0.4685

■ 51.1735, 0.3037,
0.4056

■ 45.7930, 0.2966,
0.5008

■ 53.7746, 0.3067,
0.3773

■ 44.7264, 0.2956,
0.5312


■ 56.8148, 0.3097,
0.3519

■ 43.9757, 0.2955,
0.5576

■ 60.3132, 0.3127,
0.3294

■ 43.5054, 0.2964,
0.5780

■ 64.2878, 0.3155,
0.3098

 43.2557, 0.2976,
0.5914

 68.7554, 0.3181,
0.2928

 71.6661, 0.3151,
0.2792

Harmonies

Analogous

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



48.9892, 0.3659, 0.4519



48.9892, 0.3009, 0.4363



48.9892, 0.2425, 0.3790

Triad

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



48.9892, 0.3009, 0.4363



48.9892, 0.2106, 0.2293



48.9892, 0.4327, 0.3304

Complementary

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



48.9892, 0.3009, 0.4363



30.6565, 0.3275, 0.2413

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.



48.9892, 0.3817, 0.2831



48.9892, 0.3009, 0.4363



48.9892, 0.2515, 0.2273

Square

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



48.9892, 0.3009, 0.4363



48.9892, 0.1947, 0.2561



48.9892, 0.3132, 0.2466



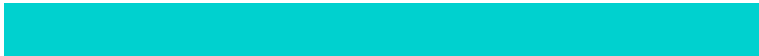
48.9892, 0.4460, 0.3813

Rectangle

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



48.9892, 0.3009, 0.4363



48.9892, 0.2147, 0.3316



48.9892, 0.3132, 0.2466



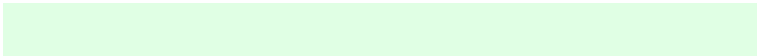
48.9892, 0.4192, 0.3139

Sweetspot

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



48.9912, 0.3009, 0.4363



93.0399, 0.3091, 0.3566



56.1188, 0.3642, 0.4306



19.7668, 0.3087, 0.3599



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



48.9912, 0.3009, 0.4363



78.5969, 0.2988, 0.4634



50.3257, 0.2760, 0.3741



12.5588, 0.3100, 0.3500



27.2329, 0.2972, 0.5900



1.4125, 0.2898, 0.5633

Inverse Universe

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



30.6565, 0.3275, 0.2413



44.2218, 0.3313, 0.2243



29.0757, 0.3739, 0.2888



11.3793, 0.3156, 0.3089



10.1413, 0.3540, 0.1724



0.5300, 0.3466, 0.1683

Previews

White Background



This preview shows how the Yxy color 48.9892, 0.3009, 0.4363 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 48.9892, 0.3009, 0.4363 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 48.9892, 0.3009, 0.4363

Background



This preview shows how black text looks on a background with the Yxy color 48.9892, 0.3009, 0.4363.



This preview shows how white text looks on a background with the Yxy color 48.9892, 0.3009, 0.4363.

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

48.9892, 0.3009, 0.4363

Protanopia

48.4325, 0.3756, 0.4060

Deuteranopia

48.1847, 0.3841, 0.3760



Tritanopia

48.6400, 0.2617, 0.3074

Trichromacy



Original Color

48.9892, 0.3009, 0.4363



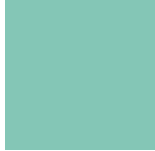
Protanomaly

48.0022, 0.3453, 0.4176



Deuteranomaly

47.3855, 0.3497, 0.3970



Tritanomaly

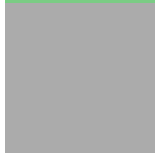
48.6711, 0.2755, 0.3515

Monochromacy



Original Color

48.9892, 0.3009, 0.4363



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

43.0736, 0.3076, 0.3665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9892, 0.3009, 0.4363 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(122, 204, 132)` looks like.

```
.text, #text, p{  
    color:rgb(122, 204, 132)  
}
```

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(122, 204, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 204, 132) }
```

Border

The CSS property to change the border of an element to Yxy 48.9892, 0.3009, 0.4363 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(122, 204, 132) }
```

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

```
.border{ border-color:rgb(122, 204, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 204, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 204, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 204, 132);  
box-shadow:4px 4px 4px 4px rgb(122, 204,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9892, 0.3009, 0.4363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 204, 132) }
```

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

```
.background{ background-color: rgb(122,  
204, 132) }
```

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