

Converting Colors

$Y_{xy}(49.8873, 0.2989, 0.3750)$

Have a look what the booklet for
Yxy(49.8873, 0.2989, 0.3750)
contains.

Yxy(50.0841, 0.2985, 0.3749)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.0841, 0.2985, 0.3749)

Conversions

Conversions Part 1

Format	Color
Hex	96C7A6
RGB	150, 199, 166
RGB Percent	59%, 78%, 65%
CMY	0.4119, 0.2196, 0.3491
CMYK	0.25, 0.00, 0.17, 0.22
HSL	140°, 30%, 68%
HSV	140°, 25%, 78%
XYZ	39.8776, 50.0841, 43.6315
YIQ	180.5870, -18.6110, -20.6510

Conversions

Conversions Part 2

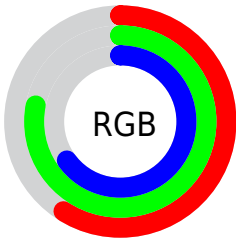
Format	Color
RYB	150, 187, 199
Decimal	9881510
CIELab	76.12, -22.76, 11.38
CIElCh	76, 25.447, 153.437
Yxy	50.0841, 0.2985, 0.3749
Android (android.graphics.Color)	4288071590 (0xFF96C7A6)
YUV	180.5870, -7.1914, -26.8248
Hunter-Lab	70.7701, -23.2665, 12.9853

Details

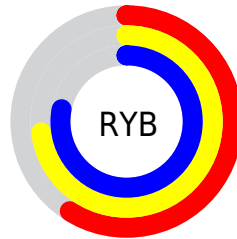
The Yxy color **50.0841, 0.2985, 0.3749** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.3644, 0.3305, 0.2872**, and the grayscale version is **46.0176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7196, 0.3013, 0.3654**, and **24.0624, 0.2942, 0.3889** is the 20% darker color. If you saturate the color by 10%, you get **47.8898, 0.2932, 0.3972**, and if you desaturate by 10%, it is **52.6544, 0.3042, 0.3547**.

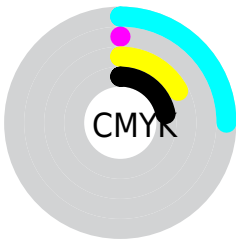
Distribution



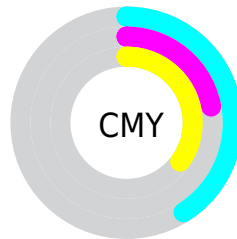
- Red (59%)
- Green (78%)
- Blue (65%)



- Red (59%)
- Yellow (73%)
- Blue (78%)



- Cyan (25%)
- Magenta (0%)
- Yellow (17%)
- Black (22%)





- Cyan (41%)
- Magenta (22%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.0841, 0.2985, 0.3749 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 50.0841, 0.2985, 0.3749 by changing the saturation by 10% instead.


 50.0841, 0.2985,
0.3749


 50.0841, 0.2985,
0.3749


386.9947, 0.3059,
0.3515

 35.4802, 0.2966,
0.3809


 90.2995, 0.3012,
0.3663

 24.0330, 0.2941,
0.3886


 116.6798, 0.3023,
0.3631

 15.3581, 0.2906,
0.3991


147.7543, 0.3031,
0.3604

 9.0711, 0.2856,
0.4140

183.9075, 0.3038,
0.3581

 4.7876, 0.2778,
0.4369

225.5237, 0.3044,
0.3561

 2.1232, 0.2640,
0.4760

272.9874, 0.3050,

 0.6776, 0.1154,

0.3544

0.8846

326.6830, 0.3055,
0.3529

0.0000, 0.0000,
0.0000

50.0841, 0.2985,
0.3749

50.0841, 0.2985,
0.3749

47.8898, 0.2932,
0.3972

52.6544, 0.3042,
0.3547

46.0476, 0.2886,
0.4212

55.6111, 0.3100,
0.3367

44.5402, 0.2850,
0.4467


58.9716, 0.3158,
0.3207


43.3466, 0.2827,
0.4727


62.7508, 0.3215,
0.3067


42.4430, 0.2819,
0.4983

66.9626, 0.3270,
0.2944

 41.8023, 0.2829,
0.5223

 68.7914, 0.3214,
0.2821

 41.3918, 0.2855,
0.5437

 69.3330, 0.3153,
0.2742

 41.2344, 0.2872,
0.5539

Harmonies

Analogous

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



50.0841, 0.3332, 0.3904



50.0841, 0.2985, 0.3749



50.0841, 0.2688, 0.3448

Triad

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



50.0841, 0.2985, 0.3749



50.0841, 0.2626, 0.2732



50.0841, 0.3784, 0.3405

Complementary

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



50.0841, 0.2985, 0.3749



37.3644, 0.3305, 0.2872

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.



50.0841, 0.3575, 0.3123



50.0841, 0.2985, 0.3749



50.0841, 0.2897, 0.2746

Square

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



50.0841, 0.2985, 0.3749



50.0841, 0.2490, 0.2859



50.0841, 0.3244, 0.2887



50.0841, 0.3805, 0.3678

Rectangle

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



50.0841, 0.2985, 0.3749



50.0841, 0.2554, 0.3223



50.0841, 0.3244, 0.2887



50.0841, 0.3733, 0.3309

Sweetspot

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



50.0862, 0.2985, 0.3749



96.0201, 0.3086, 0.3409



53.1803, 0.3364, 0.3926



20.4824, 0.3082, 0.3420



0.0000, 0.0000, 0.0000



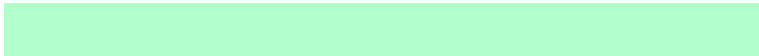
21.4041, 0.3127, 0.3290

Same Dimension

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



50.0862, 0.2985, 0.3749



85.3789, 0.2954, 0.3876



51.0524, 0.2825, 0.3410



11.9440, 0.3072, 0.3450



26.5252, 0.2865, 0.5514



1.2694, 0.2743, 0.5075

Inverse Universe

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



37.3644, 0.3305, 0.2872



59.0145, 0.3358, 0.2770



36.4473, 0.3545, 0.3174



10.7554, 0.3187, 0.3136



8.9316, 0.4236, 0.2107



0.4358, 0.3971, 0.1961

Previews

White Background



This preview shows how the Yxy color 50.0841, 0.2985, 0.3749 looks on a white background.

Color Contrast Check

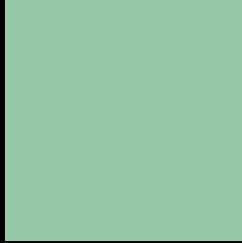
Large Text (above 18pt) WCAG AA × Fail

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 50.0841, 0.2985, 0.3749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

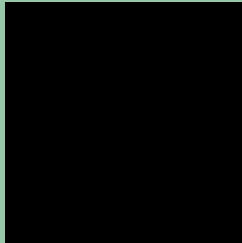
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.0841, 0.2985, 0.3749

Background



This preview shows how black text looks on a background with the Yxy color 50.0841, 0.2985, 0.3749.



This preview shows how white text looks on a background with the Yxy color 50.0841, 0.2985, 0.3749.

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

50.0841, 0.2985, 0.3749

Protanopia

49.9490, 0.3428, 0.3633

Deuteranopia

49.3937, 0.3485, 0.3413



Tritanopia

50.0125, 0.2753, 0.3081

Trichromacy



Original Color

50.0841, 0.2985, 0.3749

Protanomaly

49.5735, 0.3258, 0.3673

Deuteranomaly

49.2240, 0.3286, 0.3522

Tritanomaly

49.8490, 0.2838, 0.3316

Monochromacy



Original Color

50.0841, 0.2985, 0.3749

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.6471, 0.3070, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0841, 0.2985, 0.3749 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(150, 199, 166)` looks like.

```
.text, #text, p{  
    color:rgb(150, 199, 166)  
}
```

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(150, 199, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 199, 166) }
```

Border

The CSS property to change the border of an element to Yxy 50.0841, 0.2985, 0.3749 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(150, 199, 166) }
```

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

```
.border{ border-color:rgb(150, 199, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 199, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 199, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 199, 166);  
box-shadow:4px 4px 4px 4px rgb(150, 199,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0841, 0.2985, 0.3749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 199, 166) }
```

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

```
.background{ background-color: rgb(150,  
199, 166) }
```

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