

# Converting Colors

$Yxy(47.9947, 0.2979, 0.3860)$

Have a look what the booklet for  
Yxy(47.9947, 0.2979, 0.3860)  
contains.

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# Color

**Yxy(48.0295, 0.2980, 0.3865)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DC59D
RGB	141, 197, 157
RGB Percent	55%, 77%, 62%
CMY	0.4472, 0.2274, 0.3844
CMYK	0.28, 0.00, 0.20, 0.23
HSL	137°, 33%, 66%
HSV	137°, 28%, 77%
XYZ	37.0318, 48.0295, 39.2065
YIQ	175.6960, -20.5360, -24.3120

# Conversions

## Conversions Part 2

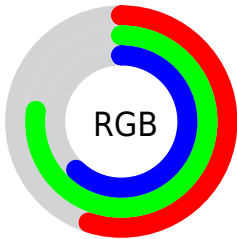
Format	Color
<a href="#">RYB</a>	<a href="#">141, 185, 197</a>
Decimal	<a href="#">9291165</a>
CIELab	<a href="#">74.84, -26.38, 14.34</a>
CIELCh	<a href="#">75, 30.026, 151.471</a>
Yxy	<a href="#">48.0295, 0.2980, 0.3865</a>
Android (android.graphics.Color)	<a href="#">4287481245 (0xFF8DC59D)</a>
YUV	<a href="#">175.6960, -9.2171, -30.4284</a>
Hunter-Lab	<a href="#">69.3033, -25.9004, 14.9706</a>

# Details

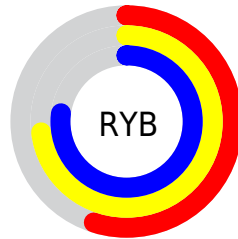
The Yxy color **48.0295, 0.2980, 0.3865** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.2512, 0.3316, 0.2777**, and the grayscale version is **43.3040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3729, 0.3009, 0.3751**, and **22.8094, 0.2927, 0.4036** is the 20% darker color. If you saturate the color by 10%, you get **46.0024, 0.2934, 0.4109**, and if you desaturate by 10%, it is **50.4232, 0.3030, 0.3642**.

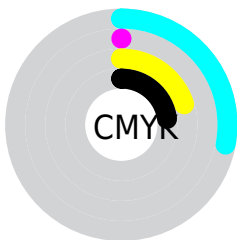
# Distribution



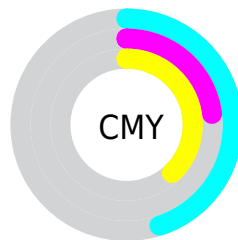
- Red (55%)
- Green (77%)
- Blue (62%)



- Red (55%)
- Yellow (73%)
- Blue (77%)



- Cyan (28%)
- Magenta (0%)
- Yellow (20%)
- Black (23%)




- Cyan (45%)
- Magenta (23%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0295, 0.2980, 0.3865 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 48.0295, 0.2980, 0.3865 by changing the saturation by 10% instead.




 48.0295, 0.2980,  
0.3865

 48.0295, 0.2980,  
0.3865


378.9090, 0.3059,  
0.3568


 33.8502, 0.2959,  
0.3942


 87.2483, 0.3010,  
0.3755

 22.7786, 0.2930,  
0.4043


 113.0567, 0.3021,  
0.3714

 14.4301, 0.2891,  
0.4180


 143.5102, 0.3030,  
0.3680

 8.4204, 0.2832,  
0.4378

178.9933, 0.3037,  
0.3651

 4.3651, 0.2737,  
0.4686

219.8903, 0.3044,  
0.3626

 1.8798, 0.2566,  
0.5241

266.5857, 0.3049,

 0.5362, 0.0000,

0.3604

1.0000

319.4638, 0.3054,  
0.3585

0.0000, 0.0000,  
0.0000

48.0295, 0.2980,  
0.3865

48.0295, 0.2980,  
0.3865

46.0024, 0.2934,  
0.4109

50.4232, 0.3030,  
0.3642

44.3177, 0.2895,  
0.4371

53.1943, 0.3083,  
0.3441

42.9576, 0.2866,  
0.4643


56.3606, 0.3135,  
0.3264

41.9003, 0.2851,  
0.4916

59.9370, 0.3187,  
0.3108


41.1211, 0.2851,  
0.5176


63.9376, 0.3236,  
0.2971

 40.5915, 0.2866,  
0.5411

 67.5738, 0.3252,  
0.2848

 40.2672, 0.2895,  
0.5609

 68.4173, 0.3154,  
0.2722

 40.2253, 0.2899,  
0.5637

# Harmonies

## Analogous

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



48.0295, 0.3393, 0.4035



48.0295, 0.2980, 0.3865



48.0295, 0.2622, 0.3505

# Triad

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



48.0295, 0.2980, 0.3865



48.0295, 0.2517, 0.2633



48.0295, 0.3906, 0.3398

# Complementary

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



48.0295, 0.2980, 0.3865



34.2512, 0.3316, 0.2777

# 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.



48.0295, 0.3640, 0.3068



48.0295, 0.2980, 0.3865



48.0295, 0.2826, 0.2643

# Square

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



48.0295, 0.2980, 0.3865



48.0295, 0.2369, 0.2788



48.0295, 0.3236, 0.2800



48.0295, 0.3943, 0.3725



# Rectangle

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



48.0295, 0.2980, 0.3865



48.0295, 0.2459, 0.3230



48.0295, 0.3236, 0.2800



48.0295, 0.3840, 0.3285

# Sweetspot

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



48.0315, 0.2980, 0.3865



94.8928, 0.3079, 0.3455



51.6997, 0.3416, 0.4026



20.1462, 0.3071, 0.3483



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

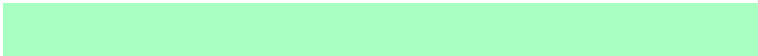


# Same Dimension

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



48.0315, 0.2980, 0.3865



83.7307, 0.2951, 0.4011



49.0952, 0.2795, 0.3457



11.9369, 0.3078, 0.3459



26.4675, 0.2893, 0.5614



1.2660, 0.2772, 0.5178



# Inverse Universe

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



34.2512, 0.3316, 0.2777



55.1029, 0.3368, 0.2666



33.2184, 0.3610, 0.3131



10.7630, 0.3180, 0.3126



9.0825, 0.4082, 0.2023

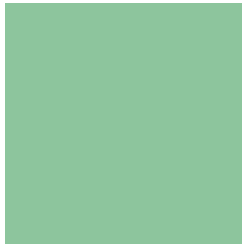


0.4421, 0.3860, 0.1900



# Previews

## White Background



This preview shows how the Yxy color 48.0295, 0.2980, 0.3865 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

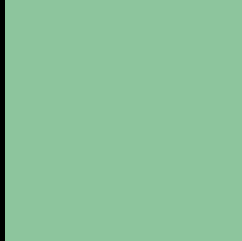
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.0295, 0.2980, 0.3865 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

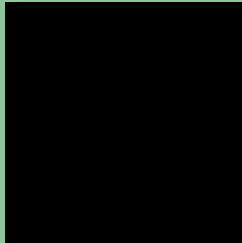
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.0295, 0.2980, 0.3865**

## Background



This preview shows how black text looks on a background with the Yxy color 48.0295, 0.2980, 0.3865.



This preview shows how white text looks on a background with the Yxy color 48.0295, 0.2980, 0.3865.

# 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

48.0295, 0.2980, 0.3865

### Protanopia

47.5383, 0.3494, 0.3717

### Deuteranopia

47.5728, 0.3553, 0.3489



## Tritanopia

47.7672, 0.2713, 0.3076

# Trichromacy



**Original Color**

48.0295, 0.2980, 0.3865

**Protanomaly**

47.3803, 0.3289, 0.3764

**Deuteranomaly**

47.0094, 0.3319, 0.3607

**Tritanomaly**

47.9738, 0.2812, 0.3358

# Monochromacy



**Original Color**

48.0295, 0.2980, 0.3865

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

44.9321, 0.3067, 0.3497

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.0295, 0.2980, 0.3865 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(141, 197, 157)` looks like.

```
.text, #text, p{  
    color:rgb(141, 197, 157)  
}
```

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(141, 197, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 197, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0295, 0.2980, 0.3865 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(141, 197, 157) }
```

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

```
.border{ border-color:rgb(141, 197, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 197, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 197, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 197, 157);  
box-shadow:4px 4px 4px 4px rgb(141, 197,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.0295, 0.2980, 0.3865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 197, 157) }
```

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

```
.background{ background-color: rgb(141,  
197, 157) }
```

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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