

# Converting Colors

$Yxy(48.0987, 0.2981, 0.4101)$

Have a look what the booklet for  
Yxy(48.0987, 0.2981, 0.4101)  
contains.

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# Color

**Yxy(48.0987, 0.2981, 0.4101)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82C891
RGB	130, 200, 145
RGB Percent	51%, 78%, 57%
CMY	0.4904, 0.2156, 0.4314
CMYK	0.35, 0.00, 0.28, 0.22
HSL	133°, 39%, 65%
HSV	133°, 35%, 78%
XYZ	34.9627, 48.0987, 34.2238
YIQ	172.8000, -24.0650, -31.9450

# Conversions

## Conversions Part 2

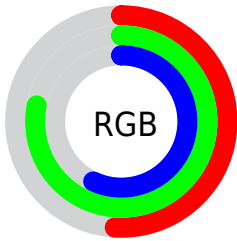
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">130, 188, 200</a>
Decimal	<a href="#">8571025</a>
CIELab	<a href="#">74.89, -33.50, 20.72</a>
CIElCh	<a href="#">75, 39.389, 148.265</a>
Yxy	<a href="#">48.0987, 0.2981, 0.4101</a>
Android (android.graphics.Color)	<a href="#">4286761105 (0xFF82C891)</a>
YUV	<a href="#">172.8000, -13.7054, -37.5356</a>
Hunter-Lab	<a href="#">69.3532, -31.3817, 19.2893</a>

# Details

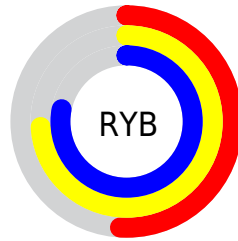
The Yxy color **48.0987, 0.2981, 0.4101** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.7310, 0.3320, 0.2598**, and the grayscale version is **41.7558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9578, 0.3015, 0.3922**, and **22.9437, 0.2925, 0.4369** is the 20% darker color. If you saturate the color by 10%, you get **46.2193, 0.2946, 0.4384**, and if you desaturate by 10%, it is **50.3565, 0.3021, 0.3838**.

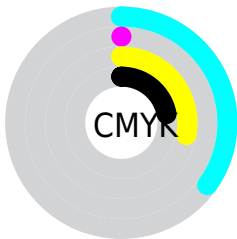
# Distribution



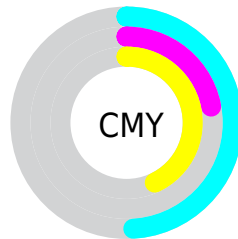
- Red (51%)
- Green (78%)
- Blue (57%)



- Red (51%)
- Yellow (74%)
- Blue (78%)



- Cyan (35%)
- Magenta (0%)
- Yellow (28%)
- Black (22%)




- Cyan (49%)
- Magenta (22%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0987, 0.2981, 0.4101 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 48.0987, 0.2981, 0.4101 by changing the saturation by 10% instead.





 48.0987, 0.2981,  
0.4101


 48.0987, 0.2981,  
0.4101


379.1832, 0.3064,  
0.3678

 33.9051, 0.2957,  
0.4212

 87.3513, 0.3014,  
0.3943

 22.8207, 0.2924,  
0.4358


 113.1791, 0.3025,  
0.3885

 14.4611, 0.2876,  
0.4558

 143.6537, 0.3035,  
0.3836

 8.4421, 0.2802,  
0.4846

179.1596, 0.3042,  
0.3795

 4.3791, 0.2674,  
0.5296

220.0811, 0.3049,  
0.3760

 1.8878, 0.2510,  
0.6330

266.8026, 0.3055,

 0.5410, 0.0000,

0.3729

1.0000

319.7085, 0.3060,  
0.3702

■ 0.0000, 0.0000,  
0.0000

■ 48.0987, 0.2981,  
0.4101

■ 48.0987, 0.2981,  
0.4101

■ 46.2193, 0.2946,  
0.4384

■ 50.3565, 0.3021,  
0.3838

■ 44.6916, 0.2919,  
0.4679

■ 53.0057, 0.3063,  
0.3600

■ 43.4949, 0.2902,  
0.4973


■ 56.0659, 0.3106,  
0.3387

■ 42.6040, 0.2897,  
0.5253

■ 59.5539, 0.3148,  
0.3200


■ 41.9897, 0.2907,  
0.5500


■ 63.4853, 0.3189,  
0.3037

 41.6169, 0.2928,  
0.5701

 67.8750, 0.3227,  
0.2895

 41.4901, 0.2939,  
0.5782

 69.7913, 0.3153,  
0.2753

 69.7960, 0.3152,  
0.2752

# Harmonies

## Analogous

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



48.0987, 0.3516, 0.4283



48.0987, 0.2981, 0.4101



48.0987, 0.2510, 0.3629

# Triad

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



48.0987, 0.2981, 0.4101



48.0987, 0.2311, 0.2454



48.0987, 0.4127, 0.3366

# Complementary

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



48.0987, 0.2981, 0.4101



31.7310, 0.3320, 0.2598

# 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.



48.0987, 0.3747, 0.2958



48.0987, 0.2981, 0.4101



48.0987, 0.2681, 0.2453

# Square

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



48.0987, 0.2981, 0.4101



48.0987, 0.2151, 0.2663



48.0987, 0.3203, 0.2634



48.0987, 0.4205, 0.3790



# Rectangle

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



48.0987, 0.2981, 0.4101



48.0987, 0.2291, 0.3257



48.0987, 0.3203, 0.2634



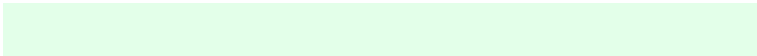
48.0987, 0.4030, 0.3225

# Sweetspot

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



48.1007, 0.2981, 0.4101



93.7245, 0.3080, 0.3514



53.3651, 0.3529, 0.4191



19.9088, 0.3074, 0.3544



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

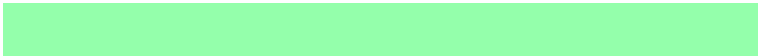


# Same Dimension

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



48.1007, 0.2981, 0.4101



80.7432, 0.2954, 0.4313



49.3111, 0.2764, 0.3587



11.9245, 0.3087, 0.3477



26.3871, 0.2934, 0.5761



1.2605, 0.2821, 0.5357



# Inverse Universe

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



31.7310, 0.3320, 0.2598



48.2344, 0.3374, 0.2451



30.4628, 0.3701, 0.3016



10.7761, 0.3170, 0.3110



9.3700, 0.3833, 0.1885



0.4537, 0.3679, 0.1800



# Previews

## White Background



This preview shows how the Yxy color 48.0987, 0.2981, 0.4101 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 48.0987, 0.2981, 0.4101 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

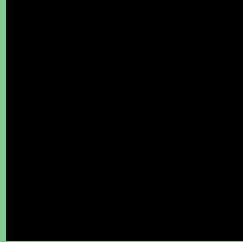
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.0987, 0.2981, 0.4101**

## Background



This preview shows how black text looks on a background with the Yxy color 48.0987, 0.2981, 0.4101.

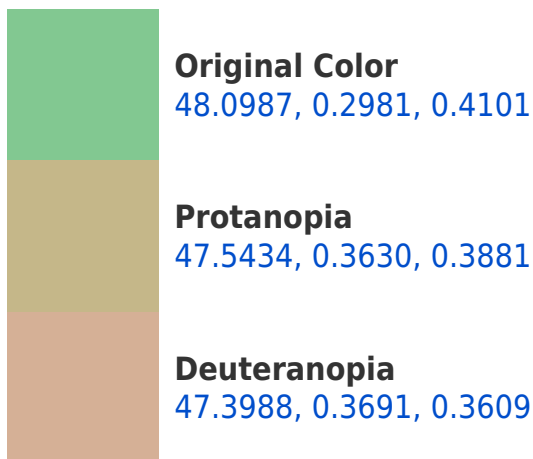


This preview shows how white text looks on a background with the Yxy color 48.0987, 0.2981, 0.4101.

# 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





## Tritanopia

47.9551, 0.2657, 0.3087

# Trichromacy



## Original Color

48.0987, 0.2981, 0.4101



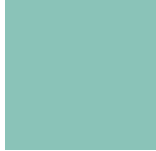
## Protanomaly

47.1729, 0.3371, 0.3960



## Deuteranomaly

46.9033, 0.3406, 0.3783



## Tritanomaly

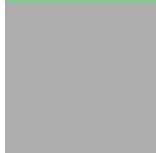
47.8942, 0.2778, 0.3443

# Monochromacy



## Original Color

48.0987, 0.2981, 0.4101



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

43.6794, 0.3064, 0.3573

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.0987, 0.2981, 0.4101 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(130, 200, 145)` looks like.

```
.text, #text, p{  
    color:rgb(130, 200, 145)  
}
```

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(130, 200, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 200, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0987, 0.2981, 0.4101 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(130, 200, 145) }
```

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

```
.border{ border-color:rgb(130, 200, 145) }
```

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

Here you see how a box with a 4 pixel rgb(130, 200, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 200, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 200, 145);  
box-shadow:4px 4px 4px 4px rgb(130, 200,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.0987, 0.2981, 0.4101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 200, 145) }
```

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

```
.background{ background-color: rgb(130,  
200, 145) }
```

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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