

# Converting Colors

Yxy(50.3382, 0.2877, 0.4141)

Have a look what the booklet for  
Yxy(50.3382, 0.2877, 0.4141)  
contains.

<b>Yxy(50.0944, 0.2874, 0.4133)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(50.0944, 0.2874, 0.4133)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75CE95
RGB	117, 206, 149
RGB Percent	46%, 81%, 58%
CMY	0.5411, 0.1922, 0.4156
CMYK	0.43, 0.00, 0.28, 0.19
HSL	142°, 48%, 63%
HSV	142°, 43%, 81%
XYZ	34.8346, 50.0944, 36.2769
YIQ	172.8910, -34.7470, -36.5950

# Conversions

## Conversions Part 2

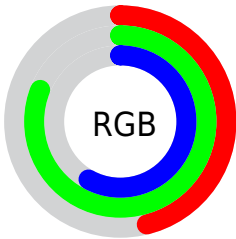
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">117, 182, 206</a>
Decimal	<a href="#">7720597</a>
CIELab	<a href="#">76.13, -39.28, 20.19</a>
CIElCh	<a href="#">76, 44.168, 152.799</a>
Yxy	<a href="#">50.0944, 0.2874, 0.4133</a>
Android (android.graphics.Color)	<a href="#">4285910677</a> ( <a href="#">0xFF75CE95</a> )
YUV	<a href="#">172.8910, -11.7783, -49.0164</a>
Hunter-Lab	<a href="#">70.7774, -36.0079, 19.1551</a>

# Details

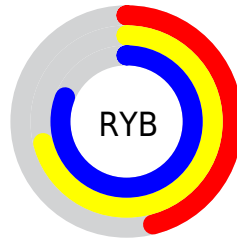
The Yxy color **50.0944, 0.2874, 0.4133** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.9023, 0.3526, 0.2583**, and the grayscale version is **41.8081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7160, 0.2926, 0.3886**, and **24.0392, 0.2790, 0.4396** is the 20% darker color. If you saturate the color by 10%, you get **48.4251, 0.2833, 0.4374**, and if you desaturate by 10%, it is **52.1295, 0.2925, 0.3906**.

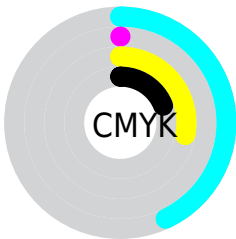
# Distribution



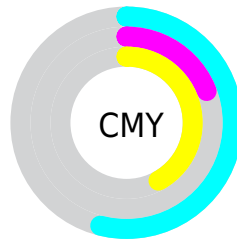
- Red (46%)
- Green (81%)
- Blue (58%)



- Red (46%)
- Yellow (71%)
- Blue (81%)



- Cyan (43%)
- Magenta (0%)
- Yellow (28%)
- Black (19%)




- Cyan (54%)
- Magenta (19%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0944, 0.2874, 0.4133 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 50.0944, 0.2874, 0.4133 by changing the saturation by 10% instead.





 50.0944, 0.2874,  
0.4133

 50.0944, 0.2874,  
0.4133


387.0350, 0.3010,  
0.3694

 35.4884, 0.2837,  
0.4248


 90.3147, 0.2926,  
0.3970

 24.0393, 0.2787,  
0.4398

 116.6979, 0.2945,  
0.3910

 15.3628, 0.2718,  
0.4603

 147.7755, 0.2960,  
0.3859

 9.0744, 0.2616,  
0.4898

183.9320, 0.2973,  
0.3816

 4.7897, 0.2450,  
0.5355

225.5518, 0.2985,  
0.3779

 2.1244, 0.2174,  
0.6258

273.0193, 0.2994,

 0.6783, 0.0000,

0.3747

1.0000

326.7189, 0.3003,  
0.3719

0.0000, 0.0000,  
0.0000

50.0944, 0.2874,  
0.4133

50.0944, 0.2874,  
0.4133

48.4251, 0.2833,  
0.4374

52.1295, 0.2925,  
0.3906

47.0931, 0.2806,  
0.4622

54.5446, 0.2982,  
0.3698

46.0753, 0.2795,  
0.4870


57.3607, 0.3044,  
0.3509

45.3431, 0.2802,  
0.5107

60.5954, 0.3107,  
0.3340


44.8623, 0.2826,  
0.5323


64.2652, 0.3170,  
0.3191

 44.6390, 0.2849,  
0.5455

 68.3857, 0.3232,  
0.3059

 71.7748, 0.3245,  
0.2939

 72.5933, 0.3153,  
0.2816

 72.6231, 0.3150,  
0.2811

# Harmonies

## Analogous

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



50.0944, 0.3462, 0.4388



50.0944, 0.2874, 0.4133



50.0944, 0.2383, 0.3570

# Triad

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



50.0944, 0.2874, 0.4133



50.0944, 0.2280, 0.2360



50.0944, 0.4271, 0.3436

# Complementary

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



50.0944, 0.2874, 0.4133



28.9023, 0.3526, 0.2583

# 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.



50.0944, 0.3893, 0.2986



50.0944, 0.2874, 0.4133



50.0944, 0.2712, 0.2394

# Square

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



50.0944, 0.2874, 0.4133



50.0944, 0.2070, 0.2547



50.0944, 0.3302, 0.2618



50.0944, 0.4296, 0.3895



# Rectangle

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



50.0944, 0.2874, 0.4133



50.0944, 0.2169, 0.3157



50.0944, 0.3302, 0.2618



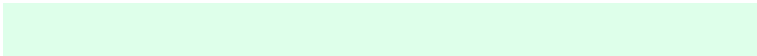
50.0944, 0.4180, 0.3282

# Sweetspot

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



50.0965, 0.2874, 0.4133



92.9536, 0.3044, 0.3508



54.5248, 0.3503, 0.4449



19.6652, 0.3030, 0.3548



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.



50.0965, 0.2874, 0.4133



78.5931, 0.2835, 0.4360



51.7605, 0.2618, 0.3475



12.6026, 0.3068, 0.3442



27.5040, 0.2841, 0.5428



1.4333, 0.2728, 0.5021



# Inverse Universe

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



28.9023, 0.3526, 0.2583



39.7970, 0.3651, 0.2440



27.4683, 0.4076, 0.3122



11.3326, 0.3192, 0.3143



9.1231, 0.4366, 0.2179



0.4848, 0.4083, 0.2023



# Previews

## White Background



This preview shows how the Yxy color 50.0944, 0.2874, 0.4133 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 50.0944, 0.2874, 0.4133 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

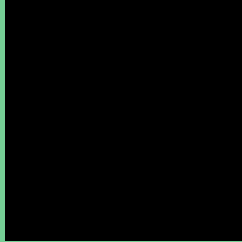
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.0944, 0.2874, 0.4133**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.0944, 0.2874, 0.4133.

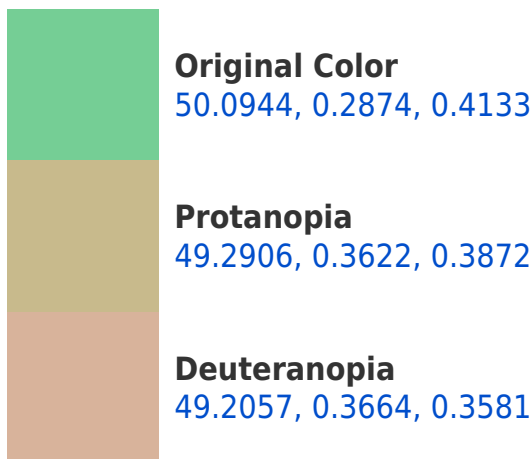


This preview shows how white text looks on a background with the Yxy color 50.0944, 0.2874, 0.4133.

# 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

50.1487, 0.2566, 0.3075

# Trichromacy



## Original Color

50.0944, 0.2874, 0.4133



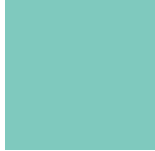
## Protanomaly

48.6691, 0.3314, 0.3973



## Deuteranomaly

48.3984, 0.3331, 0.3770



## Tritanomaly

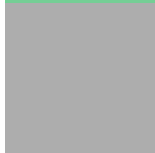
50.0030, 0.2680, 0.3443

# Monochromacy



## Original Color

50.0944, 0.2874, 0.4133



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

44.1506, 0.3023, 0.3589

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.0944, 0.2874, 0.4133 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(117, 206, 149)` looks like.

```
.text, #text, p{  
    color:rgb(117, 206, 149)  
}
```

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(117, 206, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 206, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 50.0944, 0.2874, 0.4133 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(117, 206, 149) }
```

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

```
.border{ border-color:rgb(117, 206, 149) }
```

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

Here you see how a box with a 4 pixel rgb(117, 206, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 206, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 206, 149);  
box-shadow:4px 4px 4px 4px rgb(117, 206,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.0944, 0.2874, 0.4133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 206, 149) }
```

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

```
.background{ background-color: rgb(117,  
206, 149) }
```

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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