

# Converting Colors

Yxy(58.0032, 0.2916, 0.4152)

Have a look what the booklet for  
Yxy(58.0032, 0.2916, 0.4152)  
contains.

<b>Yxy(57.8432, 0.2914, 0.4150)</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(57.8432, 0.2914, 0.4150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82DB9D
RGB	130, 219, 157
RGB Percent	51%, 86%, 62%
CMY	0.4904, 0.1411, 0.3843
CMYK	0.41, 0.00, 0.28, 0.14
HSL	138°, 55%, 68%
HSV	138°, 41%, 86%
XYZ	40.6157, 57.8432, 40.9223
YIQ	185.3210, -33.1420, -38.1500

# Conversions

## Conversions Part 2

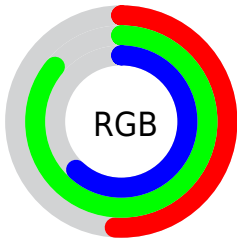
Format	Color
<a href="#">RYB</a>	<a href="#">130, 198, 219</a>
Decimal	<a href="#">8575901</a>
CIELab	<a href="#">80.65, -39.99, 22.31</a>
CIELCh	<a href="#">81, 45.795, 150.848</a>
Yxy	<a href="#">57.8432, 0.2914, 0.4150</a>
Android (android.graphics.Color)	<a href="#">4286765981</a> ( <a href="#">0xFF82DB9D</a> )
YUV	<a href="#">185.3210, -13.9623, -48.5165</a>
Hunter-Lab	<a href="#">76.0547, -37.7710, 21.3365</a>

# Details

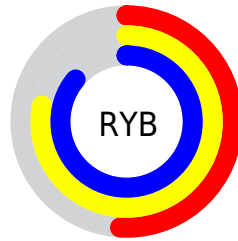
The Yxy color **57.8432, 0.2914, 0.4150** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **34.8138, 0.3444, 0.2567**, and the grayscale version is **48.7900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7126, 0.2951, 0.3769**, and **28.7102, 0.2845, 0.4404** is the 20% darker color. If you saturate the color by 10%, you get **55.8064, 0.2876, 0.4410**, and if you desaturate by 10%, it is **60.3183, 0.2961, 0.3906**.

# Distribution



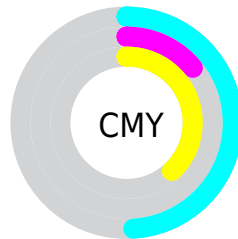
- Red (51%)
- Green (86%)
- Blue (62%)



- Red (51%)
- Yellow (78%)
- Blue (86%)



- Cyan (41%)
- Magenta (0%)
- Yellow (28%)
- Black (14%)




- Cyan (49%)
- Magenta (14%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.8432, 0.2914, 0.4150 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 57.8432, 0.2914, 0.4150 by changing the saturation by 10% instead.





 57.8432, 0.2914,  
0.4150


 57.8432, 0.2914,  
0.4150


416.6014, 0.3028,  
0.3713

 41.6826, 0.2883,  
0.4261

 101.6945, 0.2957,  
0.3990

 28.8528, 0.2842,  
0.4404


 130.1540, 0.2973,  
0.3930

 18.9695, 0.2786,  
0.4595


 163.4819, 0.2986,  
0.3880

 11.6483, 0.2703,  
0.4864

202.0626, 0.2997,  
0.3836

 6.5046, 0.2572,  
0.5264

246.2805, 0.3007,  
0.3799

 3.1543, 0.2342,  
0.5915

296.5200, 0.3015,

 1.2128, 0.1064,

0.3767

0.8936

353.1655, 0.3022,  
0.3738

■ 0.0721, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.8432, 0.2914,  
0.4150

■ 57.8432, 0.2914,  
0.4150

■ 55.8064, 0.2876,  
0.4410

■ 60.3183, 0.2961,  
0.3906

■ 54.1747, 0.2849,  
0.4679


■ 63.2482, 0.3013,  
0.3682


■ 52.9217, 0.2836,  
0.4946


■ 66.6575, 0.3068,  
0.3480

■ 52.0145, 0.2840,  
0.5199


■ 70.5666, 0.3123,  
0.3301

 51.4144, 0.2861,  
0.5426

 74.9950, 0.3178,  
0.3144

 51.0703, 0.2890,  
0.5605

 78.7378, 0.3187,  
0.3002

 79.1505, 0.3144,  
0.2940

# Harmonies

## Analogous

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



57.8432, 0.3496, 0.4378



57.8432, 0.2914, 0.4150



57.8432, 0.2418, 0.3607

# Triad

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



57.8432, 0.2914, 0.4150



57.8432, 0.2268, 0.2375



57.8432, 0.4243, 0.3406

# Complementary

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



57.8432, 0.2914, 0.4150



34.8138, 0.3444, 0.2567

# 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.



57.8432, 0.3850, 0.2963



57.8432, 0.2914, 0.4150



57.8432, 0.2683, 0.2395

# Square

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



57.8432, 0.2914, 0.4150



57.8432, 0.2076, 0.2576



57.8432, 0.3260, 0.2605



57.8432, 0.4292, 0.3862



# Rectangle

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



57.8432, 0.2914, 0.4150



57.8432, 0.2196, 0.3198



57.8432, 0.3260, 0.2605



57.8432, 0.4146, 0.3253

# Sweetspot

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



57.8456, 0.2914, 0.4150



93.3544, 0.3060, 0.3508



63.5249, 0.3520, 0.4370



19.8403, 0.3053, 0.3534



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.



57.8456, 0.2914, 0.4150



79.0975, 0.2880, 0.4377



59.6376, 0.2665, 0.3524



14.6711, 0.3075, 0.3457



30.2950, 0.2883, 0.5579



1.9777, 0.2791, 0.5247



# Inverse Universe

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



34.8138, 0.3444, 0.2567



42.2501, 0.3538, 0.2420



33.1406, 0.3947, 0.3076



13.2039, 0.3184, 0.3129



10.3033, 0.4155, 0.2063



0.6826, 0.3964, 0.1957



# Previews

## White Background



This preview shows how the Yxy color 57.8432, 0.2914, 0.4150 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 57.8432, 0.2914, 0.4150 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 57.8432, 0.2914, 0.4150**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.8432, 0.2914, 0.4150.



This preview shows how white text looks on a background with the Yxy color 57.8432, 0.2914, 0.4150.

# 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

57.8432, 0.2914, 0.4150

### Protanopia

57.1311, 0.3630, 0.3898

### Deuteranopia

56.8949, 0.3691, 0.3609



## Tritanopia

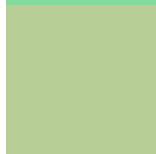
57.6590, 0.2592, 0.3075

# Trichromacy



## Original Color

57.8432, 0.2914, 0.4150



## Protanomaly

56.4443, 0.3339, 0.3994



## Deuteranomaly

55.8158, 0.3366, 0.3790



## Tritanomaly

57.4282, 0.2706, 0.3433

# Monochromacy



## Original Color

57.8432, 0.2914, 0.4150



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

51.0270, 0.3036, 0.3584

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.8432, 0.2914, 0.4150 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, 219, 157)` looks like.

```
.text, #text, p{  
    color:rgb(130, 219, 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(130, 219, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 219, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 57.8432, 0.2914, 0.4150 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, 219, 157) }
```

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

```
.border{ border-color:rgb(130, 219, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 219, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 219, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 219, 157);  
box-shadow:4px 4px 4px 4px rgb(130, 219,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.8432, 0.2914, 0.4150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 219, 157) }
```

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

```
.background{ background-color: rgb(130,  
219, 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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