

# Converting Colors

$Yxy(57.5537, 0.2825, 0.3733)$

Have a look what the booklet for  
Yxy(57.5537, 0.2825, 0.3733)  
contains.

<b>Yxy(57.5537, 0.2825, 0.3733)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(57.5537, 0.2825, 0.3733)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CD7B6
RGB	140, 215, 182
RGB Percent	55%, 84%, 71%
CMY	0.4511, 0.1568, 0.2863
CMYK	0.35, 0.00, 0.15, 0.16
HSL	154°, 48%, 70%
HSV	154°, 35%, 84%
XYZ	43.5546, 57.5537, 53.0672
YIQ	188.8130, -34.1070, -26.1630

# Conversions

## Conversions Part 2

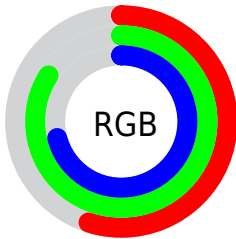
Format	Color
<a href="#">RYB</a>	<a href="#">140, 188, 215</a>
Decimal	<a href="#">9230262</a>
CIELab	<a href="#">80.49, -30.43, 8.97</a>
CIElCh	<a href="#">80, 31.720, 163.575</a>
Yxy	<a href="#">57.5537, 0.2825, 0.3733</a>
Android (android.graphics.Color)	<a href="#">4287420342 (0xFF8CD7B6)</a>
YUV	<a href="#">188.8130, -3.3588, -42.8090</a>
Hunter-Lab	<a href="#">75.8642, -30.2832, 11.6314</a>

# Details

The Yxy color **57.5537, 0.2825, 0.3733** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.2119, 0.3587, 0.2890**, and the grayscale version is **50.8077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4288, 0.2871, 0.3471**, and **28.7050, 0.2741, 0.3863** is the 20% darker color. If you saturate the color by 10%, you get **55.4897, 0.2755, 0.3887**, and if you desaturate by 10%, it is **60.0137, 0.2905, 0.3591**.

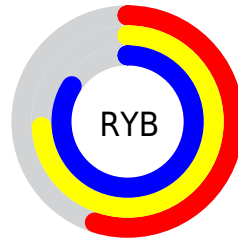
# Distribution



Red (55%)

Green (84%)

Blue (71%)



Red (55%)

Yellow (74%)

Blue (84%)

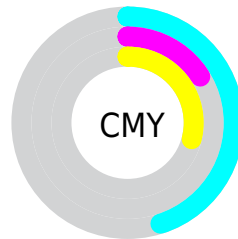


Cyan (35%)

Magenta (0%)

Yellow (15%)

Black (16%)



Cyan (45%)

Magenta (16%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.5537, 0.2825, 0.3733 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 57.5537, 0.2825, 0.3733 by changing the saturation by 10% instead.





 57.5537, 0.2825,  
0.3733

 57.5537, 0.2825,  
0.3733

415.5209, 0.2974,  
0.3513

 41.4500, 0.2789,  
0.3788

 101.2727, 0.2879,  
0.3653

 28.6708, 0.2742,  
0.3858


 129.6567, 0.2899,  
0.3623

 18.8320, 0.2681,  
0.3950


162.9029, 0.2916,  
0.3598

 11.5489, 0.2598,  
0.4079

201.3957, 0.2931,  
0.3576

 6.4373, 0.2476,  
0.4269

245.5195, 0.2944,  
0.3557

 3.1128, 0.2282,  
0.4576

295.6587, 0.2955,

 1.1909, 0.1649,

0.3540

0.5439

352.1977, 0.2965,  
0.3526

0.0542, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

57.5537, 0.2825,  
0.3733

57.5537, 0.2825,  
0.3733

55.4897, 0.2755,  
0.3887

60.0137, 0.2905,  
0.3591

53.7928, 0.2699,  
0.4050


62.8828, 0.2991,  
0.3460


52.4412, 0.2659,  
0.4220


66.1819, 0.3082,  
0.3343

51.4079, 0.2638,  
0.4393

69.9288, 0.3174,  
0.3238

 50.6616, 0.2637,  
0.4565

 74.1398, 0.3267,  
0.3145

 50.1639, 0.2656,  
0.4732

 76.0833, 0.3256,  
0.3055

 49.9724, 0.2671,  
0.4815

 76.6563, 0.3191,  
0.2964

 77.0861, 0.3145,  
0.2901

# Harmonies

## Analogous

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



57.5537, 0.3226, 0.3991



57.5537, 0.2825, 0.3733



57.5537, 0.2518, 0.3338

# Triad

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



57.5537, 0.2825, 0.3733



57.5537, 0.2627, 0.2621



57.5537, 0.3946, 0.3533

# Complementary

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



57.5537, 0.2825, 0.3733



36.2119, 0.3587, 0.2890

# 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.



57.5537, 0.3767, 0.3198



57.5537, 0.2825, 0.3733



57.5537, 0.2985, 0.2693

# Square

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



57.5537, 0.2825, 0.3733



57.5537, 0.2411, 0.2708



57.5537, 0.3406, 0.2899



57.5537, 0.3886, 0.3835



# Rectangle

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



57.5537, 0.2825, 0.3733



57.5537, 0.2401, 0.3076



57.5537, 0.3406, 0.2899



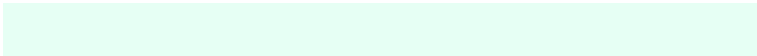
57.5537, 0.3912, 0.3421

# Sweetspot

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



57.5561, 0.2825, 0.3733



94.7788, 0.3034, 0.3402



59.4671, 0.3323, 0.4256



20.1409, 0.3022, 0.3419



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.



57.5561, 0.2825, 0.3733



82.3550, 0.2772, 0.3847



57.1964, 0.2631, 0.3240



14.0113, 0.3041, 0.3394



29.9080, 0.2664, 0.4791



1.8204, 0.2585, 0.4505



# Inverse Universe

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



36.2119, 0.3587, 0.2890



46.3493, 0.3729, 0.2803



36.2030, 0.3937, 0.3339



12.5107, 0.3223, 0.3188



9.1513, 0.5200, 0.2638



0.5684, 0.4770, 0.2401



# Previews

## White Background



This preview shows how the Yxy color 57.5537, 0.2825, 0.3733 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

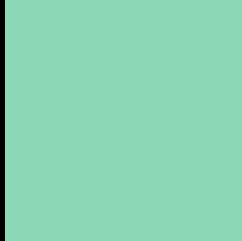
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.5537, 0.2825, 0.3733 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

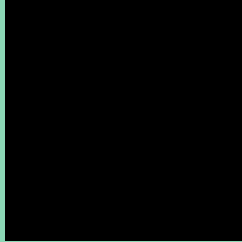
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.5537, 0.2825, 0.3733**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.5537, 0.2825, 0.3733.



This preview shows how white text looks on a background with the Yxy color 57.5537, 0.2825, 0.3733.

# 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

57.5537, 0.2825, 0.3733

### Protanopia

56.8152, 0.3397, 0.3591

### Deuteranopia

56.8167, 0.3415, 0.3348



## Tritanopia

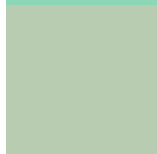
57.5759, 0.2624, 0.3076

# Trichromacy



## Original Color

57.5537, 0.2825, 0.3733



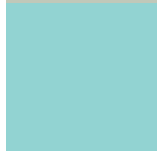
## Protanomaly

56.3876, 0.3164, 0.3644



## Deuteranomaly

56.0178, 0.3173, 0.3475



## Tritanomaly

57.3527, 0.2693, 0.3302

# Monochromacy



## Original Color

57.5537, 0.2825, 0.3733



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

52.5913, 0.3004, 0.3446

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  57.5537, 0.2825, 0.3733 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(140, 215, 182)` looks like.

```
.text, #text, p{  
    color:rgb(140, 215, 182)  
}
```

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(140, 215, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 215, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 57.5537, 0.2825, 0.3733 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(140, 215, 182) }
```

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

```
.border{ border-color:rgb(140, 215, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 215, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 215, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 215, 182);  
box-shadow:4px 4px 4px 4px rgb(140, 215,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.5537, 0.2825, 0.3733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 215, 182) }
```

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

```
.background{ background-color: rgb(140,  
215, 182) }
```

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