

# Converting Colors

$Yxy(49.0442, 0.2832, 0.3930)$

Have a look what the booklet for  
Yxy(49.0442, 0.2832, 0.3930)  
contains.

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# Color

**Yxy(49.2800, 0.2835, 0.3935)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79CB9F
RGB	121, 203, 159
RGB Percent	47%, 80%, 62%
CMY	0.5253, 0.2039, 0.3764
CMYK	0.40, 0.00, 0.22, 0.20
HSL	148°, 44%, 64%
HSV	148°, 40%, 80%
XYZ	35.5041, 49.2800, 40.4509
YIQ	173.4660, -34.7480, -31.0680

# Conversions

## Conversions Part 2

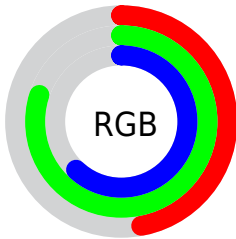
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 177, 203
Decimal	7981983
CIELab	75.63, -34.84, 14.20
CIELCh	76, 37.623, 157.828
Yxy	49.2800, 0.2835, 0.3935
Android (android.graphics.Color)	4286172063 (0xFF79CB9F)
YUV	173.4660, -7.1317, -46.0127
Hunter-Lab	70.1997, -32.5715, 14.9753

# Details

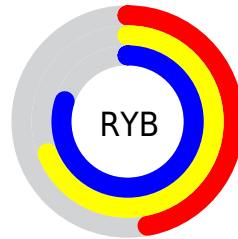
The Yxy color **49.2800, 0.2835, 0.3935** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.0968, 0.3591, 0.2731**, and the grayscale version is **42.0957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6051, 0.2885, 0.3753**, and **23.4346, 0.2749, 0.4140** is the 20% darker color. If you saturate the color by 10%, you get **47.6042, 0.2781, 0.4131**, and if you desaturate by 10%, it is **51.3017, 0.2899, 0.3752**.

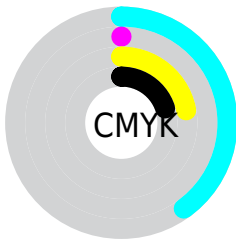
# Distribution



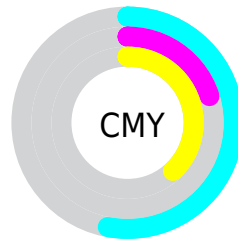
- Red (47%)
- Green (80%)
- Blue (62%)



- Red (47%)
- Yellow (69%)
- Blue (80%)



- Cyan (40%)
- Magenta (0%)
- Yellow (22%)
- Black (20%)




- Cyan (53%)
- Magenta (20%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2800, 0.2835, 0.3935 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 49.2800, 0.2835, 0.3935 by changing the saturation by 10% instead.





 49.2800, 0.2835,  
0.3935


 49.2800, 0.2835,  
0.3935

383.8436, 0.2986,  
0.3602

 34.8416, 0.2796,  
0.4022


 89.1072, 0.2891,  
0.3811

 23.5409, 0.2744,  
0.4135


 115.2648, 0.2912,  
0.3766

 14.9934, 0.2674,  
0.4289


 146.0976, 0.2929,  
0.3727

 8.8148, 0.2573,  
0.4511

181.9900, 0.2944,  
0.3695

 4.6206, 0.2415,  
0.4856

223.3264, 0.2957,  
0.3667

 2.0264, 0.2139,  
0.5461

270.4912, 0.2968,

 0.6227, 0.0000,

0.3642

1.0000

323.8688, 0.2978,  
0.3621

0.0000, 0.0000,  
0.0000

49.2800, 0.2835,  
0.3935

49.2800, 0.2835,  
0.3935

47.6042, 0.2781,  
0.4131

51.3017, 0.2899,  
0.3752

46.2480, 0.2742,  
0.4337

53.6820, 0.2971,  
0.3583

45.1907, 0.2719,  
0.4548


56.4401, 0.3046,  
0.3431


44.4066, 0.2715,  
0.4757


59.5921, 0.3124,  
0.3295

43.8653, 0.2731,  
0.4958


63.1532, 0.3202,  
0.3174

 43.5201, 0.2761,  
0.5140

 67.1378, 0.3279,  
0.3068

 69.9838, 0.3292,  
0.2968

 70.6338, 0.3213,  
0.2864

 71.1904, 0.3151,  
0.2782

# Harmonies

## Analogous

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



49.2800, 0.3339, 0.4209



49.2800, 0.2835, 0.3935



49.2800, 0.2431, 0.3443

# Triad

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



49.2800, 0.2835, 0.3935



49.2800, 0.2443, 0.2473



49.2800, 0.4132, 0.3497

# Complementary

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



49.2800, 0.2835, 0.3935



29.0968, 0.3591, 0.2731

# 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.



49.2800, 0.3854, 0.3094



49.2800, 0.2835, 0.3935



49.2800, 0.2851, 0.2530

# Square

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



49.2800, 0.2835, 0.3935



49.2800, 0.2223, 0.2610



49.2800, 0.3370, 0.2751



49.2800, 0.4108, 0.3888



# Rectangle

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



49.2800, 0.2835, 0.3935



49.2800, 0.2264, 0.3102



49.2800, 0.3370, 0.2751



49.2800, 0.4071, 0.3360

# Sweetspot

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



49.2820, 0.2835, 0.3935



93.6386, 0.3033, 0.3457



52.2112, 0.3414, 0.4394



19.9070, 0.3022, 0.3477



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.



49.2820, 0.2835, 0.3935



80.1624, 0.2790, 0.4097



50.8969, 0.2599, 0.3345



12.6220, 0.3054, 0.3417



27.7149, 0.2754, 0.5114



1.4451, 0.2649, 0.4738



# Inverse Universe

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



29.0968, 0.3591, 0.2731



42.0155, 0.3729, 0.2620



27.8639, 0.4090, 0.3239



11.3126, 0.3207, 0.3166



8.8001, 0.4789, 0.2412



0.4692, 0.4398, 0.2196



# Previews

## White Background



This preview shows how the Yxy color 49.2800, 0.2835, 0.3935 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 49.2800, 0.2835, 0.3935 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

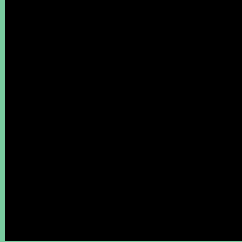
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.2800, 0.2835, 0.3935**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.2800, 0.2835, 0.3935.



This preview shows how white text looks on a background with the Yxy color 49.2800, 0.2835, 0.3935.

# 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

49.2800, 0.2835, 0.3935

### Protanopia

48.6357, 0.3507, 0.3739

### Deuteranopia

48.7694, 0.3540, 0.3474



## Tritanopia

49.2199, 0.2579, 0.3074

# Trichromacy



**Original Color**

49.2800, 0.2835, 0.3935

**Protanomaly**

48.4342, 0.3232, 0.3822

**Deuteranomaly**

48.0401, 0.3245, 0.3637

**Tritanomaly**

49.3642, 0.2671, 0.3372

# Monochromacy



**Original Color**

49.2800, 0.2835, 0.3935

**Achromatopsia**

41.7885, 0.3127, 0.3290

**Achromatomaly**

43.9782, 0.3001, 0.3516

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.2800, 0.2835, 0.3935 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(121, 203, 159)` looks like.

```
.text, #text, p{  
    color:rgb(121, 203, 159)  
}
```

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(121, 203, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 203, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 49.2800, 0.2835, 0.3935 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(121, 203, 159) }
```

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

```
.border{ border-color:rgb(121, 203, 159) }
```

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

Here you see how a box with a 4 pixel rgb(121, 203, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 203, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 203, 159);  
box-shadow:4px 4px 4px 4px rgb(121, 203,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.2800, 0.2835, 0.3935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 203, 159) }
```

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

```
.background{ background-color: rgb(121,  
203, 159) }
```

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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