

# Converting Colors

$Yxy(43.2048, 0.2981, 0.4157)$

Have a look what the booklet for  
Yxy(43.2048, 0.2981, 0.4157)  
contains.

<b>Yxy(43.0758, 0.2982, 0.4159)</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(43.0758, 0.2982, 0.4159)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79BF87
RGB	121, 191, 135
RGB Percent	47%, 75%, 53%
CMY	0.5256, 0.2509, 0.4705
CMYK	0.37, 0.00, 0.29, 0.25
HSL	132°, 35%, 61%
HSV	132°, 37%, 75%
XYZ	30.8853, 43.0758, 29.6114
YIQ	163.6860, -23.7440, -32.2560

# Conversions

## Conversions Part 2

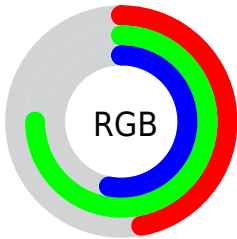
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 179, 191
Decimal	7978887
CIELab	71.61, -33.86, 21.47
CIElCh	72, 40.096, 147.628
Yxy	43.0758, 0.2982, 0.4159
Android (android.graphics.Color)	4286168967 (0xFF79BF87)
YUV	163.6860, -14.1422, -37.4356
Hunter-Lab	65.6322, -30.8574, 19.1925

# Details

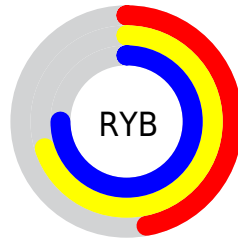
The Yxy color **43.0758, 0.2982, 0.4159** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **27.9154, 0.3319, 0.2556**, and the grayscale version is **37.0413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0390, 0.3016, 0.3980**, and **19.7761, 0.2916, 0.4447** is the 20% darker color. If you saturate the color by 10%, you get **41.4323, 0.2949, 0.4448**, and if you desaturate by 10%, it is **45.0578, 0.3019, 0.3889**.

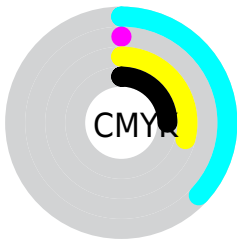
# Distribution



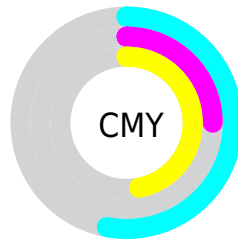
- Red (47%)
- Green (75%)
- Blue (53%)



- Red (47%)
- Yellow (70%)
- Blue (75%)



- Cyan (37%)
- Magenta (0%)
- Yellow (29%)
- Black (25%)




- Cyan (53%)
- Magenta (25%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.0758, 0.2982, 0.4159 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 43.0758, 0.2982, 0.4159 by changing the saturation by 10% instead.





 43.0758, 0.2982,  
0.4159


 43.0758, 0.2982,  
0.4159

358.9234, 0.3067,  
0.3696


 29.9446, 0.2956,  
0.4284


 79.8252, 0.3016,  
0.3984

 19.7965, 0.2920,  
0.4450


 104.2122, 0.3028,  
0.3920

 12.2472, 0.2865,  
0.4680


 133.1200, 0.3038,  
0.3867

 6.9123, 0.2778,  
0.5021

166.9329, 0.3046,  
0.3823

 3.4073, 0.2619,  
0.5567

206.0352, 0.3053,  
0.3784

 1.3479, 0.2264,  
0.7736

250.8115, 0.3058,

 0.1778, 0.0000,

0.3751

1.0000

301.6461, 0.3063,  
0.3722

0.0000, 0.0000,  
0.0000

43.0758, 0.2982,  
0.4159

43.0758, 0.2982,  
0.4159

41.4323, 0.2949,  
0.4448

45.0578, 0.3019,  
0.3889

40.1031, 0.2924,  
0.4748

47.3902, 0.3059,  
0.3642

39.0691, 0.2910,  
0.5044

50.0909, 0.3100,  
0.3422


38.3073, 0.2907,  
0.5321


53.1751, 0.3140,  
0.3228

37.7907, 0.2917,  
0.5561


56.6571, 0.3179,  
0.3058

 37.4843, 0.2939,  
0.5750

 60.5503, 0.3216,  
0.2911

 37.4079, 0.2945,  
0.5802

 64.8676, 0.3250,  
0.2783

 65.7460, 0.3157,  
0.2663

# Harmonies

## Analogous

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



43.0758, 0.3545, 0.4340



43.0758, 0.2982, 0.4159



43.0758, 0.2485, 0.3660

# Triad

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



43.0758, 0.2982, 0.4159



43.0758, 0.2264, 0.2414



43.0758, 0.4178, 0.3357

# Complementary

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



43.0758, 0.2982, 0.4159



27.9154, 0.3319, 0.2556

# 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.



43.0758, 0.3770, 0.2931



43.0758, 0.2982, 0.4159



43.0758, 0.2646, 0.2410

# Square

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



43.0758, 0.2982, 0.4159



43.0758, 0.2101, 0.2635



43.0758, 0.3193, 0.2596



43.0758, 0.4265, 0.3802



# Rectangle

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



43.0758, 0.2982, 0.4159



43.0758, 0.2253, 0.3265



43.0758, 0.3193, 0.2596



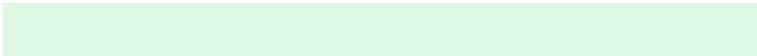
43.0758, 0.4073, 0.3209

# Sweetspot

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



43.0776, 0.2982, 0.4159



87.4425, 0.3082, 0.3518



47.9926, 0.3545, 0.4231



19.0563, 0.3076, 0.3548



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



43.0776, 0.2982, 0.4159



74.7334, 0.2955, 0.4390



44.2301, 0.2750, 0.3602



10.6801, 0.3089, 0.3479



24.5906, 0.2940, 0.5783



0.9727, 0.2816, 0.5336



# Inverse Universe

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



27.9154, 0.3319, 0.2556



43.6280, 0.3373, 0.2401



26.6950, 0.3736, 0.3003



9.6626, 0.3167, 0.3108



8.7957, 0.3784, 0.1858



0.3530, 0.3622, 0.1769



# Previews

## White Background



This preview shows how the Yxy color 43.0758, 0.2982, 0.4159 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 43.0758, 0.2982, 0.4159 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 43.0758, 0.2982, 0.4159**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.0758, 0.2982, 0.4159.

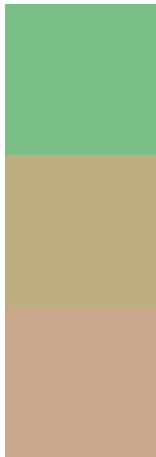


This preview shows how white text looks on a background with the Yxy color 43.0758, 0.2982, 0.4159.

# 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

43.0758, 0.2982, 0.4159

### Protanopia

42.5220, 0.3655, 0.3907

### Deuteranopia

42.5952, 0.3716, 0.3650



## Tritanopia

43.0125, 0.2645, 0.3078

# Trichromacy



## Original Color

43.0758, 0.2982, 0.4159

## Protanomaly

42.1737, 0.3382, 0.3993

## Deuteranomaly

41.7699, 0.3418, 0.3823

## Tritanomaly

42.8801, 0.2765, 0.3451

# Monochromacy



## Original Color

43.0758, 0.2982, 0.4159

## Achromatopsia

37.1238, 0.3127, 0.3290

## Achromatomaly

38.8679, 0.3069, 0.3604

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  43.0758, 0.2982, 0.4159 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, 191, 135)` looks like.

```
.text, #text, p{  
    color:rgb(121, 191, 135)  
}
```

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, 191, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 191, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 43.0758, 0.2982, 0.4159 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, 191, 135) }
```

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

```
.border{ border-color:rgb(121, 191, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 191, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 191, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 191, 135);  
box-shadow:4px 4px 4px 4px rgb(121, 191,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.0758, 0.2982, 0.4159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 191, 135) }
```

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

```
.background{ background-color: rgb(121,  
191, 135) }
```

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