

# Converting Colors

Yxy(56.0685, 0.2923, 0.4172)

Have a look what the booklet for  
Yxy(56.0685, 0.2923, 0.4172)  
contains.

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# Color

**Yxy(56.0008, 0.2924, 0.4176)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80D899
RGB	128, 216, 153
RGB Percent	50%, 85%, 60%
CMY	0.4980, 0.1529, 0.3999
CMYK	0.41, 0.00, 0.29, 0.15
HSL	137°, 53%, 67%
HSV	137°, 41%, 85%
XYZ	39.2113, 56.0008, 38.8894
YIQ	182.5060, -32.2250, -38.2490

# Conversions

## Conversions Part 2

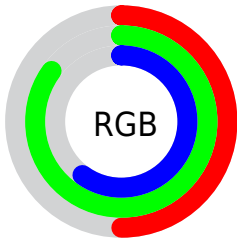
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 197, 216
Decimal	8444057
CIELab	79.61, -39.92, 22.95
CIELCh	80, 46.043, 150.102
Yxy	56.0008, 0.2924, 0.4176
Android (android.graphics.Color)	4286634137 (0xFF80D899)
YUV	182.5060, -14.5465, -47.8018
Hunter-Lab	74.8337, -37.4287, 21.5718

# Details

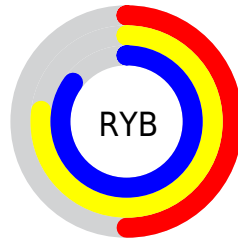
The Yxy color **56.0008, 0.2924, 0.4176** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.8039, 0.3425, 0.2548**, and the grayscale version is **47.1680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2644, 0.2961, 0.3817**, and **27.8655, 0.2851, 0.4440** is the 20% darker color. If you saturate the color by 10%, you get **54.0240, 0.2887, 0.4443**, and if you desaturate by 10%, it is **58.4050, 0.2969, 0.3925**.

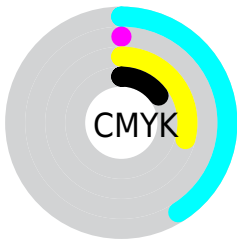
# Distribution



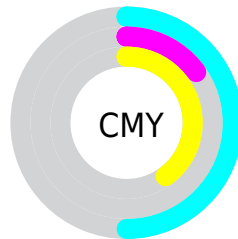
- Red (50%)
- Green (85%)
- Blue (60%)



- Red (50%)
- Yellow (77%)
- Blue (85%)



- Cyan (41%)
- Magenta (0%)
- Yellow (29%)
- Black (15%)



- Cyan (50%)
- Magenta (15%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.0008, 0.2924, 0.4176 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 56.0008, 0.2924, 0.4176 by changing the saturation by 10% instead.



 56.0008, 0.2924,  
0.4176

 56.0008, 0.2924,  
0.4176


409.6945, 0.3035,  
0.3723


 40.2036, 0.2894,  
0.4292


 99.0057, 0.2966,  
0.4009

 27.6973, 0.2853,  
0.4442


 126.9822, 0.2982,  
0.3947

 18.0976, 0.2796,  
0.4643


 159.7873, 0.2994,  
0.3895

 11.0201, 0.2712,  
0.4927

197.8053, 0.3005,  
0.3850

 6.0803, 0.2576,  
0.5354

241.4206, 0.3014,  
0.3812

 2.8940, 0.2337,  
0.6069

291.0177, 0.3022,

 1.0766, 0.0334,

0.3778

0.9666

346.9808, 0.3029,  
0.3749

0.0000, 0.0000,  
0.0000

56.0008, 0.2924,  
0.4176

56.0008, 0.2924,  
0.4176

54.0240, 0.2887,  
0.4443

58.4050, 0.2969,  
0.3925

52.4422, 0.2862,  
0.4719

61.2528, 0.3018,  
0.3694

51.2297, 0.2850,  
0.4991


64.5680, 0.3071,  
0.3487

50.3544, 0.2854,  
0.5247


68.3706, 0.3123,  
0.3303

49.7785, 0.2875,  
0.5474

72.6797, 0.3175,  
0.3141

 49.4528, 0.2903,  
0.5649

 77.0126, 0.3207,  
0.2997

 77.5916, 0.3145,  
0.2910

# Harmonies

## Analogous

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



56.0008, 0.3515, 0.4397



56.0008, 0.2924, 0.4176



56.0008, 0.2417, 0.3628

# Triad

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



56.0008, 0.2924, 0.4176



56.0008, 0.2248, 0.2364



56.0008, 0.4255, 0.3395

# Complementary

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



56.0008, 0.2924, 0.4176



33.8039, 0.3425, 0.2548

# 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.



56.0008, 0.3849, 0.2947



56.0008, 0.2924, 0.4176



56.0008, 0.2663, 0.2379

# Square

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



56.0008, 0.2924, 0.4176



56.0008, 0.2059, 0.2573



56.0008, 0.3246, 0.2588



56.0008, 0.4314, 0.3858

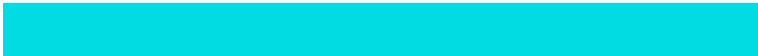


# Rectangle

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



56.0008, 0.2924, 0.4176



56.0008, 0.2188, 0.3210



56.0008, 0.3246, 0.2588



56.0008, 0.4154, 0.3240

# Sweetspot

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



56.0031, 0.2924, 0.4176



93.3200, 0.3063, 0.3514



61.7564, 0.3532, 0.4367



19.8323, 0.3056, 0.3541



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.



56.0031, 0.2924, 0.4176



79.0069, 0.2891, 0.4409



57.7307, 0.2672, 0.3544



13.9534, 0.3077, 0.3461



29.2872, 0.2895, 0.5623



1.7806, 0.2798, 0.5272



# Inverse Universe

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



33.8039, 0.3425, 0.2548



42.3788, 0.3513, 0.2398



32.1517, 0.3930, 0.3058



12.5697, 0.3181, 0.3125



10.0535, 0.4081, 0.2022

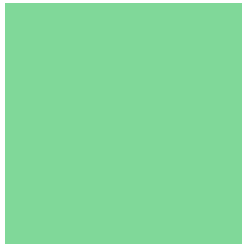


0.6203, 0.3896, 0.1920



# Previews

## White Background



This preview shows how the Yxy color 56.0008, 0.2924, 0.4176 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 56.0008, 0.2924, 0.4176 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 56.0008, 0.2924, 0.4176**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.0008, 0.2924, 0.4176.

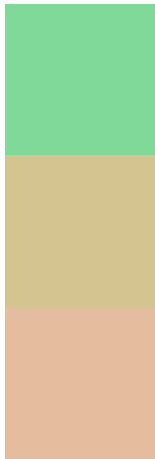


This preview shows how white text looks on a background with the Yxy color 56.0008, 0.2924, 0.4176.

# 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**

56.0008, 0.2924, 0.4176

**Protanopia**

55.3424, 0.3654, 0.3916

**Deuteranopia**

55.3924, 0.3705, 0.3636



## Tritanopia

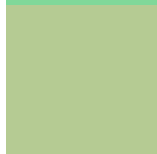
55.8471, 0.2591, 0.3073

# Trichromacy



## Original Color

56.0008, 0.2924, 0.4176



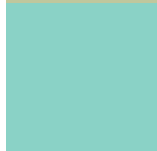
## Protanomaly

54.6422, 0.3357, 0.4016



## Deuteranomaly

54.4876, 0.3383, 0.3821



## Tritanomaly

55.5737, 0.2713, 0.3449

# Monochromacy



## Original Color

56.0008, 0.2924, 0.4176



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

49.7953, 0.3042, 0.3601

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  56.0008, 0.2924, 0.4176 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(128, 216, 153)` looks like.

```
.text, #text, p{  
    color:rgb(128, 216, 153)  
}
```

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(128, 216, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 216, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 56.0008, 0.2924, 0.4176 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(128, 216, 153) }
```

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

```
.border{ border-color:rgb(128, 216, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 216, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 216, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 216, 153);  
box-shadow:4px 4px 4px 4px rgb(128, 216,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.0008, 0.2924, 0.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 216, 153) }
```

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

```
.background{ background-color: rgb(128,  
216, 153) }
```

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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