

# Converting Colors

$Yxy(43.3003, 0.2948, 0.4388)$

Have a look what the booklet for  
Yxy(43.3003, 0.2948, 0.4388)  
contains.

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# Color

**Yxy(43.1900, 0.2951, 0.4387)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BC27D
RGB	107, 194, 125
RGB Percent	42%, 76%, 49%
CMY	0.5806, 0.2392, 0.5098
CMYK	0.45, 0.00, 0.36, 0.24
HSL	132°, 42%, 59%
HSV	132°, 45%, 76%
XYZ	29.0526, 43.1900, 26.2074
YIQ	160.1210, -29.7030, -39.9030

# Conversions

## Conversions Part 2

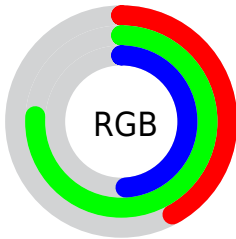
<b>Format</b>	<b>Color</b>
<b>RYB</b>	107, 179, 194
Decimal	7062141
CIELab	71.68, -41.14, 26.77
CIElCh	72, 49.080, 146.946
Yxy	43.1900, 0.2951, 0.4387
Android (android.graphics.Color)	4285252221 (0xFF6BC27D)
YUV	160.1210, -17.3147, -46.5871
Hunter-Lab	65.7191, -36.0985, 22.3598

# Details

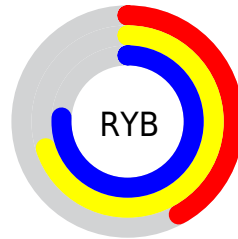
The Yxy color **43.1900, 0.2951, 0.4387** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **25.1094, 0.3382, 0.2403**, and the grayscale version is **35.3000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8901, 0.2994, 0.4164**, and **19.9680, 0.2870, 0.4770** is the 20% darker color. If you saturate the color by 10%, you get **41.7587, 0.2924, 0.4684**, and if you desaturate by 10%, it is **44.9555, 0.2985, 0.4103**.

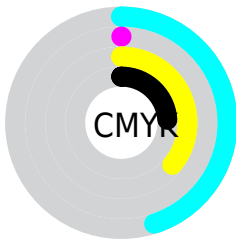
# Distribution



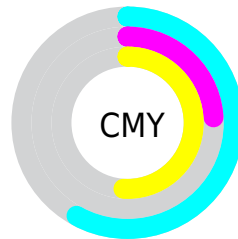
- Red (42%)
- Green (76%)
- Blue (49%)



- Red (42%)
- Yellow (70%)
- Blue (76%)



- Cyan (45%)
- Magenta (0%)
- Yellow (36%)
- Black (24%)




- Cyan (58%)
- Magenta (24%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.1900, 0.2951, 0.4387 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 43.1900, 0.2951, 0.4387 by changing the saturation by 10% instead.





 43.1900, 0.2951,  
0.4387


 43.1900, 0.2951,  
0.4387


359.3926, 0.3059,  
0.3798


 30.0342, 0.2917,  
0.4547


 79.9975, 0.2995,  
0.4163


 19.8646, 0.2868,  
0.4760


 104.4180, 0.3010,  
0.4082

 12.2966, 0.2794,  
0.5057


 133.3622, 0.3023,  
0.4015

 6.9460, 0.2672,  
0.5494

 167.2145, 0.3032,  
0.3958

 3.4284, 0.2455,  
0.6202

206.3593, 0.3041,  
0.3909

 1.3593, 0.1421,  
0.8579

251.1810, 0.3048,

 0.1864, 0.0000,

0.3867

1.0000

302.0639, 0.3054,  
0.3830

0.0000, 0.0000,  
0.0000

43.1900, 0.2951,  
0.4387

43.1900, 0.2951,  
0.4387

41.7587, 0.2924,  
0.4684

44.9555, 0.2985,  
0.4103

40.6351, 0.2907,  
0.4980

47.0689, 0.3024,  
0.3838

39.7975, 0.2902,  
0.5261

49.5498, 0.3065,  
0.3599

39.2188, 0.2911,  
0.5509

52.4147, 0.3107,  
0.3385

38.8667, 0.2931,  
0.5709


55.6790, 0.3148,  
0.3197

 38.7429, 0.2942,  
0.5792

 59.3574, 0.3187,  
0.3032

 63.4637, 0.3225,  
0.2889

 66.6275, 0.3205,  
0.2756

 67.0682, 0.3155,  
0.2693

# Harmonies

## Analogous

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



43.1900, 0.3630, 0.4581



43.1900, 0.2951, 0.4387



43.1900, 0.2356, 0.3760

# Triad

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



43.1900, 0.2951, 0.4387



43.1900, 0.2088, 0.2243



43.1900, 0.4407, 0.3338

# Complementary

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



43.1900, 0.2951, 0.4387



25.1094, 0.3382, 0.2403

# 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.



43.1900, 0.3897, 0.2844



43.1900, 0.2951, 0.4387



43.1900, 0.2528, 0.2241

# Square

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



43.1900, 0.2951, 0.4387



43.1900, 0.1904, 0.2498



43.1900, 0.3183, 0.2456



43.1900, 0.4511, 0.3865



# Rectangle

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



43.1900, 0.2951, 0.4387



43.1900, 0.2082, 0.3261



43.1900, 0.3183, 0.2456



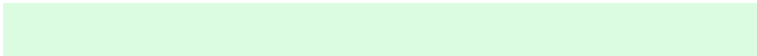
43.1900, 0.4276, 0.3166

# Sweetspot

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



43.1918, 0.2951, 0.4387



90.5769, 0.3072, 0.3561



48.9488, 0.3629, 0.4443



19.5952, 0.3063, 0.3612



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.



43.1918, 0.2951, 0.4387



75.6511, 0.2924, 0.4683



44.5342, 0.2682, 0.3686



11.2922, 0.3088, 0.3478



25.4791, 0.2937, 0.5773



1.1111, 0.2819, 0.5348



# Inverse Universe

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



25.1094, 0.3382, 0.2403



38.6916, 0.3457, 0.2228



23.6718, 0.3942, 0.2940



10.2106, 0.3169, 0.3109



9.0820, 0.3807, 0.1871



0.4016, 0.3650, 0.1784



# Previews

## White Background



This preview shows how the Yxy color 43.1900, 0.2951, 0.4387 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 43.1900, 0.2951, 0.4387 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

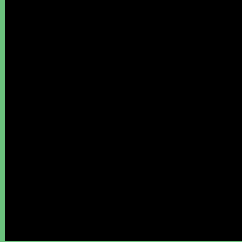
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.1900, 0.2951, 0.4387**

## Background



This preview shows how black text looks on a background with the Yxy color 43.1900, 0.2951, 0.4387.



This preview shows how white text looks on a background with the Yxy color 43.1900, 0.2951, 0.4387.

# 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

43.1900, 0.2951, 0.4387

### Protanopia

42.7631, 0.3754, 0.4061

### Deuteranopia

42.3979, 0.3833, 0.3747



## Tritanopia

43.1531, 0.2572, 0.3076

# Trichromacy



## Original Color

43.1900, 0.2951, 0.4387



## Protanomaly

42.1829, 0.3418, 0.4189



## Deuteranomaly

41.5753, 0.3463, 0.3970



## Tritanomaly

42.8351, 0.2707, 0.3514

# Monochromacy



## Original Color

43.1900, 0.2951, 0.4387



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

37.2744, 0.3056, 0.3674

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  43.1900, 0.2951, 0.4387 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(107, 194, 125)` looks like.

```
.text, #text, p{  
    color:rgb(107, 194, 125)  
}
```

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(107, 194, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 194, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 43.1900, 0.2951, 0.4387 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(107, 194, 125) }
```

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

```
.border{ border-color:rgb(107, 194, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 194, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 194, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 194, 125); box-shadow:4px 4px 4px 4px rgb(107, 194, 125) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.1900, 0.2951, 0.4387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 194, 125) }
```

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

```
.background{ background-color: rgb(107,  
194, 125) }
```

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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