

# Converting Colors

Yxy(43.2638, 0.3051, 0.4907)

Have a look what the booklet for  
Yxy(43.2638, 0.3051, 0.4907)  
contains.

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# Color

**Yxy(43.2638, 0.3051, 0.4907)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60C560
RGB	96, 197, 96
RGB Percent	38%, 77%, 38%
CMY	0.6236, 0.2274, 0.6234
CMYK	0.51, 0.00, 0.51, 0.23
HSL	120°, 47%, 57%
HSV	120°, 51%, 77%
XYZ	26.8999, 43.2638, 18.0038
YIQ	155.2870, -27.7750, -52.8230

# Conversions

## Conversions Part 2

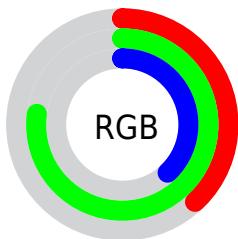
<b>Format</b>	<b>Color</b>
<b>RYB</b>	96, 197, 197
Decimal	6341984
CIELab	71.73, -49.89, 41.49
CIELCh	72, 64.885, 140.248
Yxy	43.2638, 0.3051, 0.4907
Android (android.graphics.Color)	4284532064 (0xFF60C560)
YUV	155.2870, -29.2285, -51.9947
Hunter-Lab	65.7752, -42.1060, 29.8140

# Details

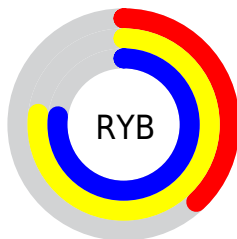
The Yxy color **43.2638, 0.3051, 0.4907** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **24.2611, 0.3185, 0.2073**, and the grayscale version is **33.0521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8259, 0.3089, 0.4566**, and **19.8425, 0.2957, 0.5462** is the 20% darker color. If you saturate the color by 10%, you get **42.0095, 0.3035, 0.5250**, and if you desaturate by 10%, it is **44.8803, 0.3068, 0.4550**.

# Distribution



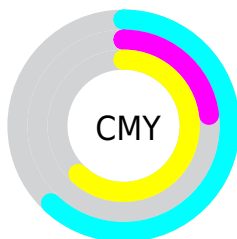
- Red (38%)
- Green (77%)
- Blue (38%)



- Red (38%)
- Yellow (77%)
- Blue (77%)



- Cyan (51%)
- Magenta (0%)
- Yellow (51%)
- Black (23%)




- Cyan (62%)
- Magenta (23%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2638, 0.3051, 0.4907 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 43.2638, 0.3051, 0.4907 by changing the saturation by 10% instead.





 43.2638, 0.3051,  
0.4907


 43.2638, 0.3051,  
0.4907


359.6955, 0.3131,  
0.4032

 30.0922, 0.3014,  
0.5143


 80.1088, 0.3092,  
0.4575

 19.9085, 0.2955,  
0.5454


 104.5509, 0.3104,  
0.4454

 12.3286, 0.2855,  
0.5876


 133.5187, 0.3112,  
0.4354

 6.9679, 0.2673,  
0.6469

 167.3964, 0.3118,  
0.4269

 3.4420, 0.2405,  
0.7595

206.5686, 0.3123,  
0.4197

 1.3666, 0.0122,  
0.9878

251.4196, 0.3126,

 0.1919, 0.0000,

0.4134

1.0000

302.3338, 0.3129,  
0.4080

0.0000, 0.0000,  
0.0000

43.2638, 0.3051,  
0.4907

43.2638, 0.3051,  
0.4907

42.0095, 0.3035,  
0.5250

44.8803, 0.3068,  
0.4550

41.0845, 0.3021,  
0.5550

46.8780, 0.3084,  
0.4200

40.4596, 0.3010,  
0.5783

49.2810, 0.3100,  
0.3875

40.0974, 0.3003,  
0.5930

52.1101, 0.3113,  
0.3580

39.9356, 0.3000,  
0.6000

55.3843, 0.3126,  
0.3321

■ 59.1217, 0.3136,  
0.3095

■ 63.3394, 0.3146,  
0.2901

■ 68.0536, 0.3153,  
0.2734

■ 68.4154, 0.3154,  
0.2722

# Harmonies

## Analogous

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



43.2638, 0.3909, 0.4942



43.2638, 0.3051, 0.4907



43.2638, 0.2259, 0.4143

# Triad

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



43.2638, 0.3051, 0.4907



43.2638, 0.1738, 0.1998



43.2638, 0.4707, 0.3165

# Complementary

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



43.2638, 0.3051, 0.4907



24.2611, 0.3185, 0.2073

# 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.



43.2638, 0.3932, 0.2589



43.2638, 0.3051, 0.4907



43.2638, 0.2201, 0.1948

# Square

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



43.2638, 0.3051, 0.4907



43.2638, 0.1585, 0.2363



43.2638, 0.2976, 0.2159



43.2638, 0.4945, 0.3807

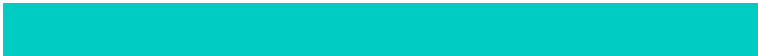


# Rectangle

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



43.2638, 0.3051, 0.4907



43.2638, 0.1880, 0.3444



43.2638, 0.2976, 0.2159



43.2638, 0.4496, 0.2962

# Sweetspot

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



43.2656, 0.3051, 0.4907



91.2311, 0.3108, 0.3692



52.6506, 0.3868, 0.4515



19.2952, 0.3105, 0.3755



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.



43.2656, 0.3051, 0.4907



74.9185, 0.3032, 0.5304



44.5113, 0.2755, 0.4086



11.8880, 0.3116, 0.3529



26.2656, 0.3000, 0.6000



1.2437, 0.3000, 0.5998



# Inverse Universe

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



24.2611, 0.3185, 0.2073



37.0060, 0.3195, 0.1861



22.3225, 0.3827, 0.2634



10.8166, 0.3138, 0.3062



10.4563, 0.3210, 0.1542



0.4951, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 43.2638, 0.3051, 0.4907 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 43.2638, 0.3051, 0.4907 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

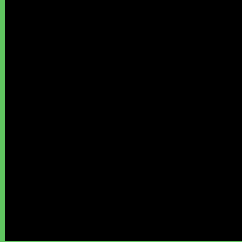
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.2638, 0.3051, 0.4907**

## Background



This preview shows how black text looks on a background with the Yxy color 43.2638, 0.3051, 0.4907.



This preview shows how white text looks on a background with the Yxy color 43.2638, 0.3051, 0.4907.

# 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

43.2638, 0.3051, 0.4907

### Protanopia

42.7020, 0.4021, 0.4393

### Deuteranopia

42.6340, 0.4134, 0.4055



## Tritanopia

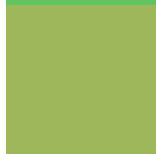
43.2568, 0.2538, 0.3075

# Trichromacy



## Original Color

43.2638, 0.3051, 0.4907



## Protanomaly

41.8914, 0.3615, 0.4600



## Deuteranomaly

41.3264, 0.3683, 0.4367



## Tritanomaly

42.8508, 0.2730, 0.3704

# Monochromacy



## Original Color

43.2638, 0.3051, 0.4907



## Achromatopsia

32.7778, 0.3127, 0.3290



## Achromatomaly

35.5390, 0.3100, 0.3865

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.2638, 0.3051, 0.4907 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(96, 197, 96)` looks like.

```
.text, #text, p{  
    color:rgb(96, 197, 96)  
}
```

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(96, 197, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 197, 96) }
```

## Border

The CSS property to change the border of an element to Yxy 43.2638, 0.3051, 0.4907 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(96, 197, 96) }
```

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

```
.border{ border-color:rgb(96, 197, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 197, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 197, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 197, 96);  
box-shadow:4px 4px 4px 4px rgb(96, 197,  
96) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.2638, 0.3051, 0.4907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 197, 96) }
```

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

```
.background{ background-color: rgb(96, 197,  
96) }
```

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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