

# Converting Colors

Yxy(43.5103, 0.3056, 0.4725)

Have a look what the booklet for  
Yxy(43.5103, 0.3056, 0.4725)  
contains.

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# Color

**Yxy(43.5237, 0.3054, 0.4718)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69C46A
RGB	105, 196, 106
RGB Percent	41%, 77%, 42%
CMY	0.5880, 0.2314, 0.5843
CMYK	0.46, 0.00, 0.46, 0.23
HSL	121°, 44%, 59%
HSV	121°, 46%, 77%
XYZ	28.1732, 43.5237, 20.5534
YIQ	158.5310, -25.3460, -47.2820

# Conversions

## Conversions Part 2

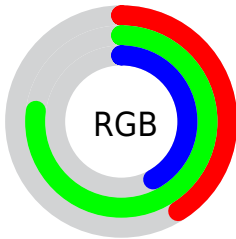
Format	Color
<a href="#">RYB</a>	<a href="#">105, 195, 196</a>
Decimal	<a href="#">6931562</a>
CIELab	<a href="#">71.91, -45.54, 36.84</a>
CIElCh	<a href="#">72, 58.575, 141.030</a>
Yxy	<a href="#">43.5237, 0.3054, 0.4718</a>
Android (android.graphics.Color)	<a href="#">4285121642 (0xFF69C46A)</a>
YUV	<a href="#">158.5310, -25.8978, -46.9467</a>
Hunter-Lab	<a href="#">65.9725, -39.2243, 27.7093</a>

# Details

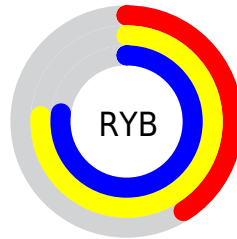
The Yxy color **43.5237, 0.3054, 0.4718** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.7946, 0.3190, 0.2184**, and the grayscale version is **34.5830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3308, 0.3085, 0.4420**, and **19.9396, 0.2976, 0.5201** is the 20% darker color. If you saturate the color by 10%, you get **42.1125, 0.3037, 0.5069**, and if you desaturate by 10%, it is **45.3034, 0.3071, 0.4365**.

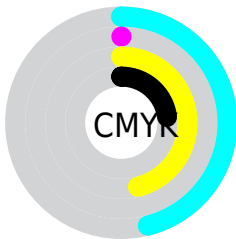
# Distribution



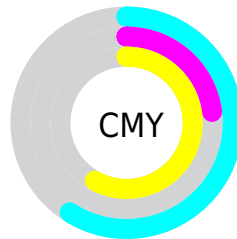
- Red (41%)
- Green (77%)
- Blue (42%)



- Red (41%)
- Yellow (76%)
- Blue (77%)



- Cyan (46%)
- Magenta (0%)
- Yellow (46%)
- Black (23%)




- Cyan (59%)
- Magenta (23%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.5237, 0.3054, 0.4718 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 43.5237, 0.3054, 0.4718 by changing the saturation by 10% instead.





 43.5237, 0.3054,  
0.4718


 43.5237, 0.3054,  
0.4718

360.7611, 0.3123,  
0.3948


 30.2962, 0.3024,  
0.4926


 80.5005, 0.3088,  
0.4426

 20.0635, 0.2976,  
0.5201


 105.0187, 0.3098,  
0.4320

 12.4412, 0.2897,  
0.5577


 134.0692, 0.3105,  
0.4232

 7.0449, 0.2753,  
0.6115

 168.0365, 0.3111,  
0.4157

 3.4902, 0.2593,  
0.7271

207.3050, 0.3115,  
0.4094

 1.3927, 0.0922,  
0.9078

252.2589, 0.3118,


 0.2113, 0.0000,


0.4039


1.0000

303.2828, 0.3121,  
0.3991


 0.0000, 0.0000,  
0.0000


 43.5237, 0.3054,  
0.4718


 43.5237, 0.3054,  
0.4718


 42.1125, 0.3037,  
0.5069


 45.3034, 0.3071,  
0.4365


 41.0389, 0.3022,  
0.5394


 47.4689, 0.3088,  
0.4029


 40.2764, 0.3011,  
0.5664


 50.0432, 0.3104,  
0.3722


 39.7918, 0.3003,  
0.5859


 53.0456, 0.3119,  
0.3447

 39.5428, 0.3000,  
0.5968

 56.4944, 0.3132,  
0.3207

 39.4818, 0.2998,  
0.5994

 60.4069, 0.3143,  
0.2999

 64.7993, 0.3153,  
0.2820

 67.9574, 0.3154,  
0.2712

# Harmonies

## Analogous

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



43.5237, 0.3841, 0.4795



43.5237, 0.3054, 0.4718



43.5237, 0.2330, 0.4029

# Triad

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



43.5237, 0.3054, 0.4718



43.5237, 0.1858, 0.2103



43.5237, 0.4565, 0.3205

# Complementary

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



43.5237, 0.3054, 0.4718



25.7946, 0.3190, 0.2184

# 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.



43.5237, 0.3878, 0.2664



43.5237, 0.3054, 0.4718



43.5237, 0.2299, 0.2057

# Square

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



43.5237, 0.3054, 0.4718



43.5237, 0.1708, 0.2443



43.5237, 0.3018, 0.2259



43.5237, 0.4777, 0.3805

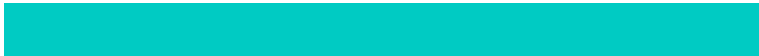


# Rectangle

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



43.5237, 0.3054, 0.4718



43.5237, 0.1981, 0.3414



43.5237, 0.3018, 0.2259



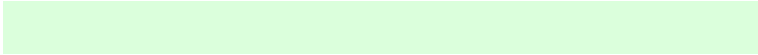
43.5237, 0.4378, 0.3015

# Sweetspot

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



43.5255, 0.3054, 0.4718



91.7764, 0.3108, 0.3659



52.2337, 0.3806, 0.4412



19.4033, 0.3104, 0.3722



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.



43.5255, 0.3054, 0.4718



76.1854, 0.3036, 0.5086



44.7039, 0.2781, 0.3995



11.2605, 0.3115, 0.3525



25.3712, 0.2998, 0.5992



1.0968, 0.2990, 0.5963



# Inverse Universe

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



25.7946, 0.3190, 0.2184



40.0177, 0.3203, 0.1976



24.0712, 0.3732, 0.2692



10.2457, 0.3139, 0.3065



10.0435, 0.3235, 0.1556



0.4345, 0.3229, 0.1552



# Previews

## White Background



This preview shows how the Yxy color 43.5237, 0.3054, 0.4718 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 43.5237, 0.3054, 0.4718 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

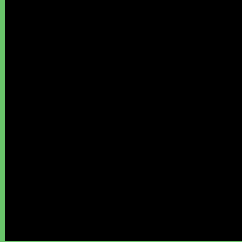
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.5237, 0.3054, 0.4718**

## Background



This preview shows how black text looks on a background with the Yxy color 43.5237, 0.3054, 0.4718.



This preview shows how white text looks on a background with the Yxy color 43.5237, 0.3054, 0.4718.

# 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

43.5237, 0.3054, 0.4718

### Protanopia

42.7483, 0.3937, 0.4285

### Deuteranopia

42.6786, 0.4047, 0.3955



## Tritanopia

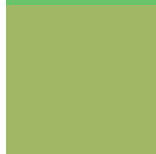
43.2280, 0.2578, 0.3076

# Trichromacy



## Original Color

43.5237, 0.3054, 0.4718



## Protanomaly

42.2801, 0.3565, 0.4462



## Deuteranomaly

41.7372, 0.3633, 0.4241



## Tritanomaly

42.9999, 0.2754, 0.3638

# Monochromacy



## Original Color

43.5237, 0.3054, 0.4718



## Achromatopsia

34.6704, 0.3127, 0.3290



## Achromatomaly

36.8875, 0.3095, 0.3789

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.5237, 0.3054, 0.4718 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(105, 196, 106)` looks like.

```
.text, #text, p{  
    color:rgb(105, 196, 106)  
}
```

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(105, 196, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 196, 106) }
```

## Border

The CSS property to change the border of an element to Yxy 43.5237, 0.3054, 0.4718 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(105, 196, 106) }
```

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

```
.border{ border-color:rgb(105, 196, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 196, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 196, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 196, 106);  
box-shadow:4px 4px 4px 4px rgb(105, 196,  
106) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.5237, 0.3054, 0.4718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 196, 106) }
```

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

```
.background{ background-color: rgb(105,  
196, 106) }
```

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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