

# Converting Colors

$Yxy(44.3760, 0.3039, 0.4609)$

Have a look what the booklet for  
Yxy(44.3760, 0.3039, 0.4609)  
contains.

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# Color

**Yxy(44.3760, 0.3039, 0.4609)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DC571
RGB	109, 197, 113
RGB Percent	43%, 77%, 44%
CMY	0.5723, 0.2275, 0.5569
CMYK	0.45, 0.00, 0.43, 0.23
HSL	123°, 43%, 60%
HSV	123°, 45%, 77%
XYZ	29.2599, 44.3760, 22.6453
YIQ	161.1120, -25.4840, -44.7800

# Conversions

## Conversions Part 2

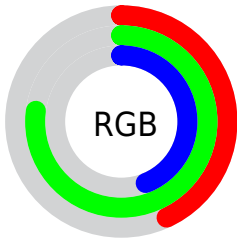
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">109, 193, 197</a>
Decimal	<a href="#">7193969</a>
CIELab	<a href="#">72.48, -43.77, 34.05</a>
CIELCh	<a href="#">72, 55.454, 142.113</a>
Yxy	<a href="#">44.3760, 0.3039, 0.4609</a>
Android (android.graphics.Color)	<a href="#">4285384049 (0xFF6DC571)</a>
YUV	<a href="#">161.1120, -23.7192, -45.7022</a>
Hunter-Lab	<a href="#">66.6153, -38.1731, 26.4756</a>

# Details

The Yxy color **44.3760, 0.3039, 0.4609** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **26.6751, 0.3220, 0.2252**, and the grayscale version is **35.8249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6361, 0.3072, 0.4336**, and **20.4349, 0.2964, 0.5054** is the 20% darker color. If you saturate the color by 10%, you get **42.8836, 0.3021, 0.4954**, and if you desaturate by 10%, it is **46.2400, 0.3059, 0.4269**.

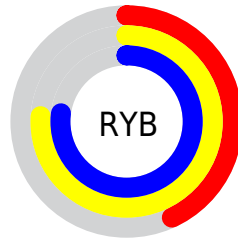
# Distribution



Red (43%)

Green (77%)

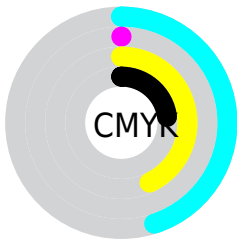
Blue (44%)



Red (43%)

Yellow (76%)

Blue (77%)

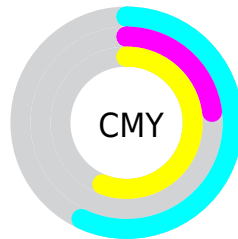


Cyan (45%)

Magenta (0%)

Yellow (43%)

Black (23%)



Cyan (57%)

Magenta (23%)


Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3760, 0.3039, 0.4609 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 44.3760, 0.3039, 0.4609 by changing the saturation by 10% instead.





 44.3760, 0.3039,  
0.4609

 44.3760, 0.3039,  
0.4609


364.2404, 0.3111,  
0.3901

 30.9662, 0.3010,  
0.4800


 81.7832, 0.3073,  
0.4341

 20.5731, 0.2967,  
0.5052


 106.5495, 0.3083,  
0.4244

 12.8123, 0.2895,  
0.5398


 135.8700, 0.3091,  
0.4163

 7.2994, 0.2769,  
0.5896

 170.1292, 0.3097,  
0.4094

 3.6501, 0.2581,  
0.6806

209.7114, 0.3101,  
0.4035

 1.4798, 0.1419,  
0.8581

255.0011, 0.3105,

 0.2745, 0.0000,

0.3985

1.0000

306.3826, 0.3108,  
0.3940

0.0000, 0.0000,  
0.0000

44.3760, 0.3039,  
0.4609

44.3760, 0.3039,  
0.4609

42.8836, 0.3021,  
0.4954

46.2400, 0.3059,  
0.4269

41.7328, 0.3006,  
0.5282

48.4923, 0.3080,  
0.3949

40.8982, 0.2996,  
0.5568


51.1551, 0.3100,  
0.3658


40.3482, 0.2992,  
0.5789

54.2473, 0.3119,  
0.3399


40.0449, 0.2993,  
0.5930

57.7869, 0.3136,  
0.3172

 39.9492, 0.2993,  
0.5974

 61.7906, 0.3152,  
0.2976

 66.2743, 0.3167,  
0.2808

 68.4099, 0.3154,  
0.2722

# Harmonies

## Analogous

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



44.3760, 0.3786, 0.4716



44.3760, 0.3039, 0.4609



44.3760, 0.2356, 0.3953

# Triad

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



44.3760, 0.3039, 0.4609



44.3760, 0.1931, 0.2158



44.3760, 0.4496, 0.3237

# Complementary

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



44.3760, 0.3039, 0.4609



26.6751, 0.3220, 0.2252

# 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.



44.3760, 0.3864, 0.2715



44.3760, 0.3039, 0.4609



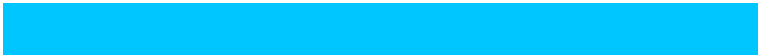
44.3760, 0.2365, 0.2120

# Square

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



44.3760, 0.3039, 0.4609



44.3760, 0.1778, 0.2476



44.3760, 0.3055, 0.2320



44.3760, 0.4683, 0.3812



# Rectangle

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



44.3760, 0.3039, 0.4609



44.3760, 0.2029, 0.3381



44.3760, 0.3055, 0.2320



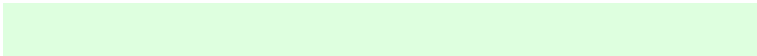
44.3760, 0.4325, 0.3054

# Sweetspot

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



44.3779, 0.3039, 0.4609



92.3715, 0.3103, 0.3619



52.5133, 0.3757, 0.4385



19.5232, 0.3098, 0.3680



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.



44.3779, 0.3039, 0.4609



76.7642, 0.3020, 0.4961



45.5847, 0.2773, 0.3916



11.8954, 0.3110, 0.3518



26.2815, 0.2991, 0.5967



1.2472, 0.2959, 0.5852



# Inverse Universe

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



26.6751, 0.3220, 0.2252



40.8826, 0.3243, 0.2049



25.0272, 0.3739, 0.2751



10.8081, 0.3144, 0.3072



10.2048, 0.3323, 0.1604



0.4858, 0.3297, 0.1590



# Previews

## White Background



This preview shows how the Yxy color 44.3760, 0.3039, 0.4609 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 44.3760, 0.3039, 0.4609 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 44.3760, 0.3039, 0.4609**

## Background



This preview shows how black text looks on a background with the Yxy color 44.3760, 0.3039, 0.4609.

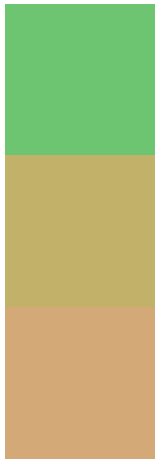


This preview shows how white text looks on a background with the Yxy color 44.3760, 0.3039, 0.4609.

# 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**

44.3760, 0.3039, 0.4609

**Protanopia**

43.8017, 0.3880, 0.4221

**Deuteranopia**

43.7290, 0.3983, 0.3894



## Tritanopia

44.3941, 0.2589, 0.3079

# Trichromacy



## Original Color

44.3760, 0.3039, 0.4609



## Protanomaly

43.0451, 0.3529, 0.4372



## Deuteranomaly

42.6385, 0.3602, 0.4149



## Tritanomaly

44.2288, 0.2750, 0.3602

# Monochromacy



## Original Color

44.3760, 0.3039, 0.4609



## Achromatopsia

35.6400, 0.3127, 0.3290



## Achromatomaly

38.0365, 0.3088, 0.3750

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  44.3760, 0.3039, 0.4609 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(109, 197, 113)` looks like.

```
.text, #text, p{  
    color:rgb(109, 197, 113)  
}
```

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(109, 197, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 197, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 44.3760, 0.3039, 0.4609 is called "border". The border property can be set on classes, ids or directly on the HTML element.

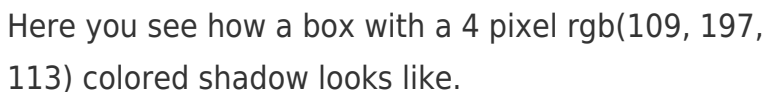
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(109, 197, 113) }
```

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

```
.border{ border-color:rgb(109, 197, 113) }
```

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



Here you see how a box with a 4 pixel `rgb(109, 197, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 197, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 197, 113); box-shadow:4px 4px 4px 4px rgb(109, 197, 113) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.3760, 0.3039, 0.4609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 197, 113) }
```

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

```
.background{ background-color: rgb(109,  
197, 113) }
```

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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