

# Converting Colors

Yxy(40.5163, 0.3163, 0.4772)

Have a look what the booklet for  
Yxy(40.5163, 0.3163, 0.4772)  
contains.

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# Color

**Yxy(40.6192, 0.3161, 0.4780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FBD60
RGB	111, 189, 96
RGB Percent	44%, 74%, 38%
CMY	0.5649, 0.2588, 0.6234
CMYK	0.41, 0.00, 0.49, 0.26
HSL	110°, 41%, 56%
HSV	110°, 49%, 74%
XYZ	26.8614, 40.6192, 17.4968
YIQ	155.0760, -16.6350, -45.4590

# Conversions

## Conversions Part 2

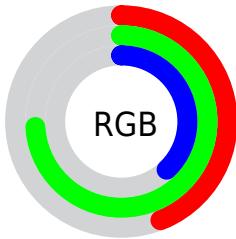
Format	Color
<a href="#">RYB</a>	<a href="#">96, 189, 174</a>
Decimal	<a href="#">7322976</a>
CIELab	<a href="#">69.91, -42.17, 39.38</a>
CIELCh	<a href="#">70, 57.704, 136.959</a>
Yxy	<a href="#">40.6192, 0.3161, 0.4780</a>
Android (android.graphics.Color)	<a href="#">4285513056 (0xFF6FBD60)</a>
YUV	<a href="#">155.0760, -29.1245, -38.6547</a>
Hunter-Lab	<a href="#">63.7332, -36.3015, 28.3362</a>

# Details

The Yxy color **40.6192, 0.3161, 0.4780** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **21.0530, 0.3010, 0.2054**, and the grayscale version is **32.9483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1566, 0.3177, 0.4478**, and **18.3660, 0.3108, 0.5290** is the 20% darker color. If you saturate the color by 10%, you get **39.3746, 0.3152, 0.5113**, and if you desaturate by 10%, it is **42.1338, 0.3163, 0.4440**.

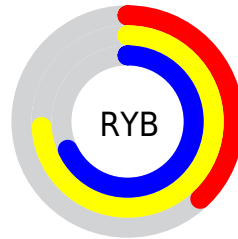
# Distribution



Red (44%)

Green (74%)

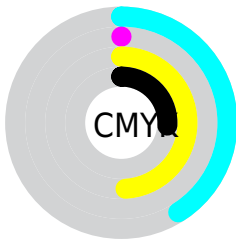
Blue (38%)



Red (38%)

Yellow (74%)

Blue (68%)

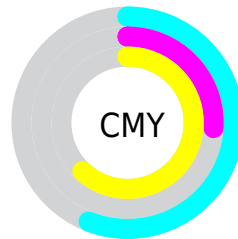


Cyan (41%)

Magenta (0%)

Yellow (49%)

Black (26%)



Cyan (56%)

Magenta (26%)


Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.6192, 0.3161, 0.4780 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 40.6192, 0.3161, 0.4780 by changing the saturation by 10% instead.




 40.6192, 0.3161,  
0.4780


 40.6192, 0.3161,  
0.4780


348.7265, 0.3179,  
0.3972


 28.0217, 0.3141,  
0.4999


 76.1055, 0.3178,  
0.4472


 18.3420, 0.3104,  
0.5289


 99.7630, 0.3181,  
0.4361

 11.1958, 0.3034,  
0.5685


 127.8760, 0.3183,  
0.4268

 6.1987, 0.2893,  
0.6248

 160.8288, 0.3183,  
0.4190

 2.9663, 0.2679,  
0.7321

199.0059, 0.3183,  
0.4124

 1.1141, 0.0116,  
0.9884

242.7916, 0.3182,

 0.0000, 0.0000,

0.4066

0.0000

292.5704, 0.3181,  
0.4016

■ 40.6192, 0.3161,  
0.4780

■ 40.6192, 0.3161,  
0.4780

■ 39.3746, 0.3152,  
0.5113

■ 42.1338, 0.3163,  
0.4440

■ 38.3789, 0.3135,  
0.5416

■ 43.9276, 0.3159,  
0.4110

■ 37.6164, 0.3110,  
0.5667

■ 46.0157, 0.3151,  
0.3802


■ 37.0673, 0.3080,  
0.5847


■ 48.4107, 0.3139,  
0.3521

■ 36.7036, 0.3049,  
0.5955


■ 51.1243, 0.3126,  
0.3271

 36.6804, 0.3047,  
0.5963

 54.1678, 0.3112,  
0.3050

 57.5518, 0.3097,  
0.2858

 61.2863, 0.3083,  
0.2690

 64.6430, 0.3148,  
0.2642

# Harmonies

## Analogous

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



40.6192, 0.3945, 0.4772



40.6192, 0.3161, 0.4780



40.6192, 0.2410, 0.4156

# Triad

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



40.6192, 0.3161, 0.4780



40.6192, 0.1812, 0.2122



40.6192, 0.4506, 0.3125

# Complementary

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



40.6192, 0.3161, 0.4780



21.0530, 0.3010, 0.2054

# 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.



40.6192, 0.3768, 0.2594



40.6192, 0.3161, 0.4780



40.6192, 0.2216, 0.2040

# Square

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



40.6192, 0.3161, 0.4780



40.6192, 0.1701, 0.2508



40.6192, 0.2905, 0.2211



40.6192, 0.4793, 0.3724



# Rectangle

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



40.6192, 0.3161, 0.4780



40.6192, 0.2033, 0.3540



40.6192, 0.2905, 0.2211



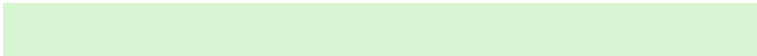
40.6192, 0.4297, 0.2937

# Sweetspot

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



40.6209, 0.3161, 0.4780



84.0344, 0.3146, 0.3687



41.7490, 0.3932, 0.4303



17.8822, 0.3149, 0.3748



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.6209, 0.3161, 0.4780



70.3635, 0.3151, 0.5137



40.4203, 0.2865, 0.4311



10.7212, 0.3139, 0.3525



24.6995, 0.3053, 0.5958



0.9909, 0.3193, 0.5847



# Inverse Universe

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



21.0530, 0.3010, 0.2054



31.2333, 0.2971, 0.1818



21.6599, 0.3567, 0.2464



9.6166, 0.3113, 0.3062



7.4353, 0.2811, 0.1322



0.3123, 0.2912, 0.1378



# Previews

## White Background



This preview shows how the Yxy color 40.6192, 0.3161, 0.4780 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 40.6192, 0.3161, 0.4780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

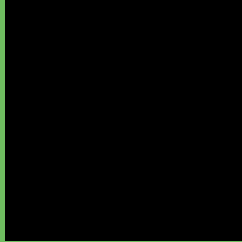
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.6192, 0.3161, 0.4780**

## Background



This preview shows how black text looks on a background with the Yxy color 40.6192, 0.3161, 0.4780.



This preview shows how white text looks on a background with the Yxy color 40.6192, 0.3161, 0.4780.

# 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

40.6192, 0.3161, 0.4780

### Protanopia

40.0355, 0.3988, 0.4354

### Deuteranopia

39.9417, 0.4117, 0.4028



## Tritanopia

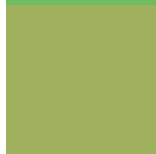
40.3582, 0.2634, 0.3072

# Trichromacy



## Original Color

40.6192, 0.3161, 0.4780



## Protanomaly

39.5879, 0.3647, 0.4518



## Deuteranomaly

39.0831, 0.3730, 0.4307



## Tritanomaly

40.0621, 0.2826, 0.3661

# Monochromacy



## Original Color

40.6192, 0.3161, 0.4780



## Achromatopsia

32.7778, 0.3127, 0.3290



## Achromatomaly

34.8476, 0.3148, 0.3813

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  40.6192, 0.3161, 0.4780 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(111, 189, 96)` looks like.

```
.text, #text, p{  
    color:rgb(111, 189, 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(111, 189, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 189, 96) }
```

## Border

The CSS property to change the border of an element to Yxy 40.6192, 0.3161, 0.4780 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(111, 189, 96) }
```

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

```
.border{ border-color:rgb(111, 189, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 189, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 189, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 189, 96);  
box-shadow:4px 4px 4px 4px rgb(111, 189,  
96) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.6192, 0.3161, 0.4780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 189, 96) }
```

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

```
.background{ background-color: rgb(111,  
189, 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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