

# Converting Colors

$Yxy(37.6756, 0.3150, 0.4629)$

Have a look what the booklet for  
Yxy(37.6756, 0.3150, 0.4629)  
contains.

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# Color

**Yxy(37.8207, 0.3153, 0.4639)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70B664
RGB	112, 182, 100
RGB Percent	44%, 71%, 39%
CMY	0.5610, 0.2862, 0.6078
CMYK	0.38, 0.00, 0.45, 0.29
HSL	111°, 36%, 55%
HSV	111°, 45%, 71%
XYZ	25.7057, 37.8207, 18.0013
YIQ	151.7220, -15.3980, -40.3420

# Conversions

## Conversions Part 2

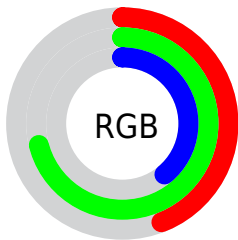
<b>Format</b>	<b>Color</b>
<b>RYB</b>	100, 182, 170
Decimal	7386724
CIELab	67.89, -38.24, 34.87
CIELCh	68, 51.750, 137.643
Yxy	37.8207, 0.3153, 0.4639
Android (android.graphics.Color)	4285576804 (0xFF70B664)
YUV	151.7220, -25.4989, -34.8362
Hunter-Lab	61.4985, -33.0115, 25.6941

# Details

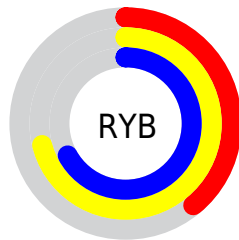
The Yxy color **37.8207, 0.3153, 0.4639** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **21.0448, 0.3038, 0.2161**, and the grayscale version is **31.3864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6316, 0.3170, 0.4352**, and **16.5769, 0.3102, 0.5110** is the 20% darker color. If you saturate the color by 10%, you get **36.5755, 0.3146, 0.4978**, and if you desaturate by 10%, it is **39.3240, 0.3154, 0.4301**.

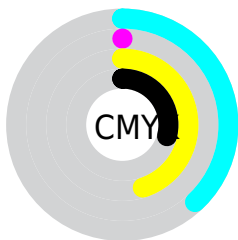
# Distribution



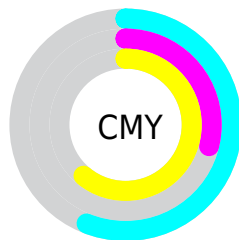
- Red (44%)
- Green (71%)
- Blue (39%)



- Red (39%)
- Yellow (71%)
- Blue (67%)



- Cyan (38%)
- Magenta (0%)
- Yellow (45%)
- Black (29%)




- Cyan (56%)
- Magenta (29%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8207, 0.3153, 0.4639 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 37.8207, 0.3153, 0.4639 by changing the saturation by 10% instead.





 37.8207, 0.3153,  
0.4639


 37.8207, 0.3153,  
0.4639

336.8502, 0.3168,  
0.3901

 25.8436, 0.3136,  
0.4843


 71.8332, 0.3167,  
0.4356


 16.7066, 0.3105,  
0.5116

 94.6374, 0.3170,  
0.4254

 10.0256, 0.3045,  
0.5496


 121.8194, 0.3171,  
0.4169

 5.4159, 0.2920,  
0.6048

 153.7636, 0.3171,  
0.4098

 2.4933, 0.2766,  
0.7234

190.8544, 0.3171,  
0.4038

 0.8733, 0.0000,  
1.0000

233.4761, 0.3170,

 0.0000, 0.0000,

0.3986

0.0000

282.0133, 0.3169,  
0.3940

■ 37.8207, 0.3153,  
0.4639

■ 37.8207, 0.3153,  
0.4639

■ 36.5755, 0.3146,  
0.4978

■ 39.3240, 0.3154,  
0.4301

■ 35.5691, 0.3131,  
0.5298

■ 41.0937, 0.3150,  
0.3978

■ 34.7874, 0.3110,  
0.5574

■ 43.1437, 0.3143,  
0.3681

■ 34.2126, 0.3083,  
0.5785

■ 45.4856, 0.3133,  
0.3414


■ 33.8239, 0.3053,  
0.5920


■ 48.1303, 0.3121,  
0.3177

 33.6872, 0.3041,  
0.5967

 51.0880, 0.3109,  
0.2969

 54.3686, 0.3097,  
0.2787

 57.9815, 0.3085,  
0.2630

 61.3552, 0.3137,  
0.2570

# Harmonies

## Analogous

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



37.8207, 0.3881, 0.4665



37.8207, 0.3153, 0.4639



37.8207, 0.2457, 0.4061

# Triad

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



37.8207, 0.3153, 0.4639



37.8207, 0.1906, 0.2202



37.8207, 0.4405, 0.3158

# Complementary

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



37.8207, 0.3153, 0.4639



21.0448, 0.3038, 0.2161

# 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.



37.8207, 0.3737, 0.2655



37.8207, 0.3153, 0.4639



37.8207, 0.2295, 0.2125

# Square

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



37.8207, 0.3153, 0.4639



37.8207, 0.1797, 0.2563



37.8207, 0.2943, 0.2290



37.8207, 0.4664, 0.3723



# Rectangle

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



37.8207, 0.3153, 0.4639



37.8207, 0.2106, 0.3506



37.8207, 0.2943, 0.2290



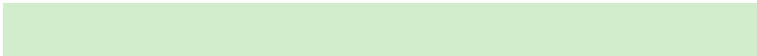
37.8207, 0.4217, 0.2980

# Sweetspot

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



37.8223, 0.3153, 0.4639



78.5369, 0.3142, 0.3658



39.5073, 0.3853, 0.4238



17.1577, 0.3144, 0.3719



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



37.8223, 0.3153, 0.4639



66.3314, 0.3146, 0.4973



37.7470, 0.2873, 0.4182



10.1212, 0.3137, 0.3525



23.8045, 0.3046, 0.5963



0.8593, 0.3185, 0.5853



# Inverse Universe

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



21.0448, 0.3038, 0.2161



32.0599, 0.3008, 0.1935



21.3709, 0.3534, 0.2549



9.0946, 0.3115, 0.3063



7.3618, 0.2848, 0.1343



0.2778, 0.2947, 0.1397



# Previews

## White Background



This preview shows how the Yxy color 37.8207, 0.3153, 0.4639 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 37.8207, 0.3153, 0.4639 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

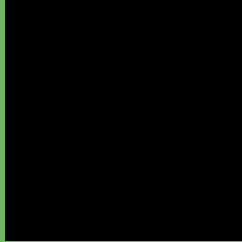
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.8207, 0.3153, 0.4639**

## Background



This preview shows how black text looks on a background with the Yxy color 37.8207, 0.3153, 0.4639.



This preview shows how white text looks on a background with the Yxy color 37.8207, 0.3153, 0.4639.

# 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

37.8207, 0.3153, 0.4639

### Protanopia

37.5422, 0.3920, 0.4262

### Deuteranopia

37.1603, 0.4041, 0.3957



## Tritanopia

37.6394, 0.2662, 0.3081

# Trichromacy



## Original Color

37.8207, 0.3153, 0.4639



## Protanomaly

37.0383, 0.3616, 0.4407



## Deuteranomaly

36.4874, 0.3686, 0.4194



## Tritanomaly

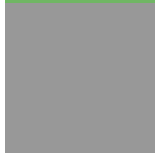
37.5548, 0.2841, 0.3620

# Monochromacy



## Original Color

37.8207, 0.3153, 0.4639



## Achromatopsia

31.3989, 0.3127, 0.3290



## Achromatomaly

33.2062, 0.3142, 0.3774

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  37.8207, 0.3153, 0.4639 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(112, 182, 100)` looks like.

```
.text, #text, p{  
    color:rgb(112, 182, 100)  
}
```

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(112, 182, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 182, 100) }
```

## Border

The CSS property to change the border of an element to Yxy 37.8207, 0.3153, 0.4639 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(112, 182, 100) }
```

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

```
.border{ border-color:rgb(112, 182, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 182, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 182, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 182, 100);  
box-shadow:4px 4px 4px 4px rgb(112, 182,  
100) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.8207, 0.3153, 0.4639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 182, 100) }
```

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

```
.background{ background-color: rgb(112,  
182, 100) }
```

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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