

# Converting Colors

Yxy(39.3318, 0.3137, 0.4961)

Have a look what the booklet for  
Yxy(39.3318, 0.3137, 0.4961)  
contains.

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**Color**

**Yxy(39.3477, 0.3140, 0.4959)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64BC56
RGB	100, 188, 86
RGB Percent	39%, 74%, 34%
CMY	0.6080, 0.2627, 0.6628
CMYK	0.47, 0.00, 0.54, 0.26
HSL	112°, 43%, 54%
HSV	112°, 54%, 74%
XYZ	24.9147, 39.3477, 15.0837
YIQ	150.0600, -19.7060, -50.3780

# Conversions

## Conversions Part 2

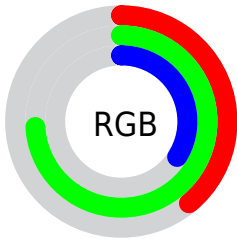
Format	Color
<b>RYB</b>	86, 188, 174
Decimal	6601814
CIELab	69.00, -46.40, 43.07
CIElCh	69, 63.306, 137.128
Yxy	39.3477, 0.3140, 0.4959
Android (android.graphics.Color)	4284791894 (0xFF64BC56)
YUV	150.0600, -31.5816, -43.9026
Hunter-Lab	62.7277, -38.8756, 29.6524

# Details

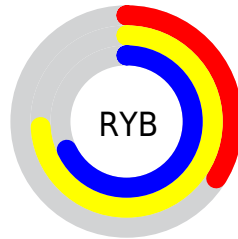
The Yxy color **39.3477, 0.3140, 0.4959** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **19.2895, 0.3021, 0.1951**, and the grayscale version is **30.6652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2077, 0.3168, 0.4614**, and **17.6430, 0.3057, 0.5536** is the 20% darker color. If you saturate the color by 10%, you get **38.2506, 0.3126, 0.5282**, and if you desaturate by 10%, it is **40.7121, 0.3148, 0.4618**.

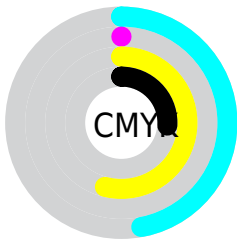
# Distribution



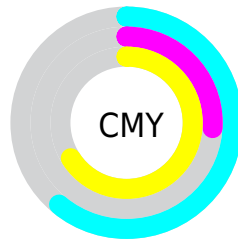
- Red (39%)
- Green (74%)
- Blue (34%)



- Red (34%)
- Yellow (74%)
- Blue (68%)



- Cyan (47%)
- Magenta (0%)
- Yellow (54%)
- Black (26%)




- Cyan (61%)
- Magenta (26%)
- Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.3477, 0.3140, 0.4959 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 39.3477, 0.3140, 0.4959 by changing the saturation by 10% instead.





 39.3477, 0.3140,  
0.4959

 39.3477, 0.3140,  
0.4959


343.3665, 0.3179,  
0.4046


 27.0303, 0.3110,  
0.5208


 74.1692, 0.3168,  
0.4610

 17.5960, 0.3057,  
0.5536


 97.4421, 0.3174,  
0.4484


 10.6603, 0.2958,  
0.5982


 125.1356, 0.3177,  
0.4380

 5.8389, 0.2788,  
0.6660

 157.6342, 0.3179,  
0.4292

 2.7474, 0.2399,  
0.7601

 195.3221, 0.3180,  
0.4217

 1.0013, 0.0000,  
1.0000

238.5839, 0.3180,

 0.0000, 0.0000,

0.4152

0.0000

287.8039, 0.3179,  
0.4095

■ 39.3477, 0.3140,  
0.4959

■ 39.3477, 0.3140,  
0.4959

■ 38.2506, 0.3126,  
0.5282

■ 40.7121, 0.3148,  
0.4618

■ 37.3985, 0.3105,  
0.5563

■ 42.3545, 0.3149,  
0.4278

■ 36.7733, 0.3079,  
0.5779

■ 44.2913, 0.3146,  
0.3956

■ 36.3525, 0.3050,  
0.5918

■ 46.5359, 0.3140,  
0.3660

■ 36.1868, 0.3037,  
0.5971

■ 49.1011, 0.3131,  
0.3394

■ 51.9987, 0.3121,  
0.3159

■ 55.2401, 0.3110,  
0.2953

■ 58.8362, 0.3099,  
0.2774

■ 62.7842, 0.3090,  
0.2620

# Harmonies

## Analogous

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



39.3477, 0.3997, 0.4919



39.3477, 0.3140, 0.4959



39.3477, 0.2325, 0.4255

# Triad

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



39.3477, 0.3140, 0.4959



39.3477, 0.1700, 0.2012



39.3477, 0.4658, 0.3099

# Complementary

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



39.3477, 0.3140, 0.4959



19.2895, 0.3021, 0.1951

# 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.



39.3477, 0.3838, 0.2531



39.3477, 0.3140, 0.4959



39.3477, 0.2132, 0.1933

# Square

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



39.3477, 0.3140, 0.4959



39.3477, 0.1578, 0.2417



39.3477, 0.2881, 0.2120



39.3477, 0.4961, 0.3739



# Rectangle

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



39.3477, 0.3140, 0.4959



39.3477, 0.1921, 0.3554



39.3477, 0.2881, 0.2120



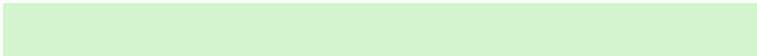
39.3477, 0.4428, 0.2898

# Sweetspot

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



39.3494, 0.3140, 0.4959



83.4702, 0.3142, 0.3717



41.1394, 0.4002, 0.4413



17.7651, 0.3143, 0.3777



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.



39.3494, 0.3140, 0.4959



69.0051, 0.3123, 0.5336



39.3465, 0.2837, 0.4409



10.7106, 0.3136, 0.3526



24.6544, 0.3042, 0.5967



0.9862, 0.3166, 0.5868



# Inverse Universe

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



19.2895, 0.3021, 0.1951



28.8758, 0.2984, 0.1717



19.6240, 0.3654, 0.2410



9.6283, 0.3116, 0.3062



7.7447, 0.2870, 0.1355



0.3219, 0.2956, 0.1402



# Previews

## White Background



This preview shows how the Yxy color 39.3477, 0.3140, 0.4959 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 39.3477, 0.3140, 0.4959 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 39.3477, 0.3140, 0.4959**

## Background



This preview shows how black text looks on a background with the Yxy color 39.3477, 0.3140, 0.4959.



This preview shows how white text looks on a background with the Yxy color 39.3477, 0.3140, 0.4959.

# 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

39.3477, 0.3140, 0.4959

### Protanopia

38.8841, 0.4056, 0.4452

### Deuteranopia

38.7693, 0.4198, 0.4125



## Tritanopia

39.1989, 0.2584, 0.3082

# Trichromacy



## Original Color

39.3477, 0.3140, 0.4959



## Protanomaly

38.1392, 0.3677, 0.4647



## Deuteranomaly

37.5946, 0.3768, 0.4434



## Tritanomaly

38.8584, 0.2795, 0.3735

# Monochromacy



## Original Color

39.3477, 0.3140, 0.4959



## Achromatopsia

30.4987, 0.3127, 0.3290



## Achromatomaly

32.9888, 0.3145, 0.3897

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.3477, 0.3140, 0.4959 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(100, 188, 86)` looks like.

```
.text, #text, p{  
    color:rgb(100, 188, 86)  
}
```

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(100, 188, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 188, 86) }
```

## Border

The CSS property to change the border of an element to Yxy 39.3477, 0.3140, 0.4959 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(100, 188, 86) }
```

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

```
.border{ border-color:rgb(100, 188, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 188, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 188, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 188, 86);  
box-shadow:4px 4px 4px 4px rgb(100, 188,  
86) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.3477, 0.3140, 0.4959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 188, 86) }
```

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

```
.background{ background-color: rgb(100,  
188, 86) }
```

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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