

# Converting Colors

Yxy(39.2940, 0.3182, 0.4557)

Have a look what the booklet for  
Yxy(39.2940, 0.3182, 0.4557)  
contains.

<b>Yxy(39.2940, 0.3182, 0.4557)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(39.2940, 0.3182, 0.4557)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78B869
RGB	120, 184, 105
RGB Percent	47%, 72%, 41%
CMY	0.5293, 0.2784, 0.5883
CMYK	0.35, 0.00, 0.43, 0.28
HSL	109°, 36%, 57%
HSV	109°, 43%, 72%
XYZ	27.4377, 39.2940, 19.4961
YIQ	155.8580, -12.7850, -38.1370

# Conversions

## Conversions Part 2

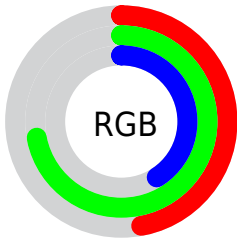
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">105, 184, 169</a>
Decimal	<a href="#">7911529</a>
CIELab	<a href="#">68.96, -35.77, 33.76</a>
CIElCh	<a href="#">69, 49.189, 136.656</a>
Yxy	<a href="#">39.2940, 0.3182, 0.4557</a>
Android (android.graphics.Color)	<a href="#">4286101609 (0xFF78B869)</a>
YUV	<a href="#">155.8580, -25.0730, -31.4475</a>
Hunter-Lab	<a href="#">62.6849, -31.5678, 25.4392</a>

# Details

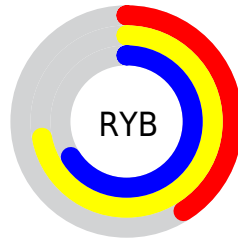
The Yxy color **39.2940, 0.3182, 0.4557** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **21.9887, 0.3004, 0.2198**, and the grayscale version is **33.2995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8685, 0.3192, 0.4293**, and **17.4441, 0.3148, 0.4986** is the 20% darker color. If you saturate the color by 10%, you get **37.9737, 0.3180, 0.4893**, and if you desaturate by 10%, it is **40.8652, 0.3176, 0.4225**.

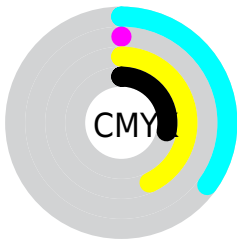
# Distribution



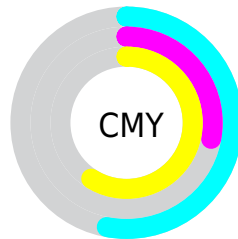
- Red (47%)
- Green (72%)
- Blue (41%)



- Red (41%)
- Yellow (72%)
- Blue (66%)



- Cyan (35%)
- Magenta (0%)
- Yellow (43%)
- Black (28%)




- Cyan (53%)
- Magenta (28%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.2940, 0.3182, 0.4557 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 39.2940, 0.3182, 0.4557 by changing the saturation by 10% instead.





 39.2940, 0.3182,  
0.4557


 39.2940, 0.3182,  
0.4557


343.1388, 0.3179,  
0.3870

 26.9885, 0.3172,  
0.4745


 74.0872, 0.3188,  
0.4295

 17.5646, 0.3151,  
0.4995


 97.3438, 0.3188,  
0.4200

 10.6378, 0.3107,  
0.5342


 125.0195, 0.3187,  
0.4121

 5.8239, 0.3012,  
0.5844

 157.4987, 0.3186,  
0.4055

 2.7383, 0.2966,  
0.7034

195.1658, 0.3184,  
0.3999

 0.9967, 0.0656,  
0.9344


238.4053, 0.3183,

 0.0000, 0.0000,


0.3950

0.0000


287.6015, 0.3181,  
0.3907


 39.2940, 0.3182,  
0.4557


 39.2940, 0.3182,  
0.4557

 37.9737, 0.3180,  
0.4893


 40.8652, 0.3176,  
0.4225


 36.8862, 0.3170,  
0.5214


 42.6944, 0.3165,  
0.3911

 36.0192, 0.3150,  
0.5498


 44.7942, 0.3150,  
0.3622


 35.3567, 0.3122,  
0.5724


 47.1754, 0.3133,  
0.3361


 34.8806, 0.3087,  
0.5877


 49.8478, 0.3114,  
0.3130

 34.6393, 0.3063,  
0.5950

 52.8209, 0.3095,  
0.2927

 56.1038, 0.3077,  
0.2749

 59.7051, 0.3059,  
0.2594

 62.5889, 0.3153,  
0.2593

# Harmonies

## Analogous

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



39.2940, 0.3867, 0.4577



39.2940, 0.3182, 0.4557



39.2940, 0.2519, 0.4034

# Triad

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



39.2940, 0.3182, 0.4557



39.2940, 0.1962, 0.2269



39.2940, 0.4311, 0.3154

# Complementary

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



39.2940, 0.3182, 0.4557



21.9887, 0.3004, 0.2198

# 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.



39.2940, 0.3678, 0.2677



39.2940, 0.3182, 0.4557



39.2940, 0.2325, 0.2184

# Square

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



39.2940, 0.3182, 0.4557



39.2940, 0.1867, 0.2626



39.2940, 0.2933, 0.2333



39.2940, 0.4572, 0.3692



# Rectangle

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



39.2940, 0.3182, 0.4557



39.2940, 0.2178, 0.3522



39.2940, 0.2933, 0.2333



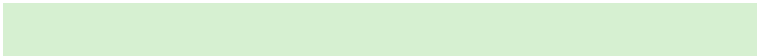
39.2940, 0.4130, 0.2985

# Sweetspot

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



39.2957, 0.3182, 0.4557



81.0918, 0.3150, 0.3629



39.2875, 0.3840, 0.4150



17.2927, 0.3154, 0.3690



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.



39.2957, 0.3182, 0.4557



68.8541, 0.3181, 0.4890



38.8597, 0.2908, 0.4201



10.1402, 0.3144, 0.3524



23.8966, 0.3069, 0.5945



0.8674, 0.3238, 0.5811



# Inverse Universe

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



21.9887, 0.3004, 0.2198



33.1408, 0.2962, 0.1958



22.8372, 0.3458, 0.2532



9.0740, 0.3108, 0.3063



6.8151, 0.2738, 0.1282



0.2628, 0.2866, 0.1353



# Previews

## White Background



This preview shows how the Yxy color 39.2940, 0.3182, 0.4557 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 39.2940, 0.3182, 0.4557 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

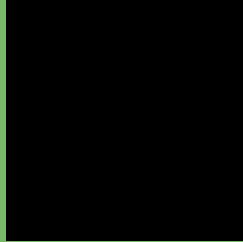
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.2940, 0.3182, 0.4557**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.2940, 0.3182, 0.4557.



This preview shows how white text looks on a background with the Yxy color 39.2940, 0.3182, 0.4557.

# 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

39.2940, 0.3182, 0.4557

### Protanopia

38.9734, 0.3881, 0.4227

### Deuteranopia

38.7068, 0.4006, 0.3923



## Tritanopia

39.0538, 0.2702, 0.3086

# Trichromacy



## Original Color

39.2940, 0.3182, 0.4557

## Protanomaly

38.6853, 0.3603, 0.4358

## Deuteranomaly

38.2507, 0.3681, 0.4145

## Tritanomaly

39.0552, 0.2882, 0.3597

# Monochromacy



## Original Color

39.2940, 0.3182, 0.4557

## Achromatopsia

33.2452, 0.3127, 0.3290

## Achromatomaly

34.9182, 0.3161, 0.3745

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.2940, 0.3182, 0.4557 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(120, 184, 105)` looks like.

```
.text, #text, p{  
    color:rgb(120, 184, 105)  
}
```

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(120, 184, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 184, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 39.2940, 0.3182, 0.4557 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(120, 184, 105) }
```

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

```
.border{ border-color:rgb(120, 184, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 184, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 184, 105); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 184, 105); box-shadow:4px 4px 4px 4px rgb(120, 184, 105) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.2940, 0.3182, 0.4557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 184, 105) }
```

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

```
.background{ background-color: rgb(120,  
184, 105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor