

# Converting Colors

$Yxy(35.2592, 0.3065, 0.4448)$

Have a look what the booklet for  
Yxy(35.2592, 0.3065, 0.4448)  
contains.

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# Color

**Yxy(35.2592, 0.3065, 0.4448)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BB06C
RGB	107, 176, 108
RGB Percent	42%, 69%, 42%
CMY	0.5804, 0.3098, 0.5764
CMYK	0.39, 0.00, 0.39, 0.31
HSL	121°, 30%, 55%
HSV	121°, 39%, 69%
XYZ	24.2962, 35.2592, 19.7144
YIQ	147.6170, -19.2960, -35.7760

# Conversions

## Conversions Part 2

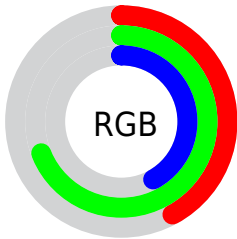
Format	Color
<a href="#">RYB</a>	<a href="#">107, 175, 176</a>
Decimal	<a href="#">7057516</a>
CIELab	<a href="#">65.95, -35.91, 28.15</a>
CIELCh	<a href="#">66, 45.626, 141.908</a>
Yxy	<a href="#">35.2592, 0.3065, 0.4448</a>
Android (android.graphics.Color)	<a href="#">4285247596 (0xFF6BB06C)</a>
YUV	<a href="#">147.6170, -19.5312, -35.6211</a>
Hunter-Lab	<a href="#">59.3795, -30.8775, 21.8809</a>

# Details

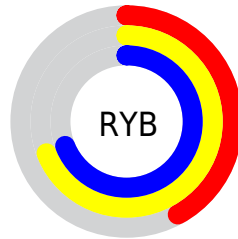
The Yxy color **35.2592, 0.3065, 0.4448** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.8419, 0.3183, 0.2353**, and the grayscale version is **29.5367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8284, 0.3091, 0.4201**, and **15.2660, 0.3006, 0.4885** is the 20% darker color. If you saturate the color by 10%, you get **33.9452, 0.3048, 0.4798**, and if you desaturate by 10%, it is **36.8717, 0.3082, 0.4110**.

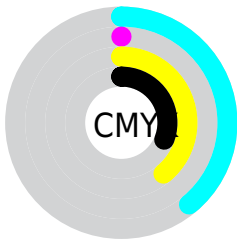
# Distribution



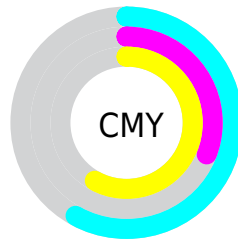
- Red (42%)
- Green (69%)
- Blue (42%)



- Red (42%)
- Yellow (69%)
- Blue (69%)



- Cyan (39%)
- Magenta (0%)
- Yellow (39%)
- Black (31%)




- Cyan (58%)
- Magenta (31%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.2592, 0.3065, 0.4448 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 35.2592, 0.3065, 0.4448 by changing the saturation by 10% instead.




 35.2592, 0.3065,  
0.4448


 35.2592, 0.3065,  
0.4448


325.7109, 0.3118,  
0.3808


 23.8626, 0.3042,  
0.4629


 67.8871, 0.3091,  
0.4200


 15.2317, 0.3004,  
0.4875


 89.8872, 0.3099,  
0.4111

 8.9822, 0.2940,  
0.5225


 116.1906, 0.3104,  
0.4039

 4.7296, 0.2816,  
0.5756

 147.1817, 0.3109,  
0.3977

 2.0895, 0.2773,  
0.7227

183.2449, 0.3112,  
0.3925

 0.6587, 0.0000,  
1.0000

224.7646, 0.3115,

 0.0000, 0.0000,

0.3881

0.0000

272.1251, 0.3117,  
0.3842

■ 35.2592, 0.3065,  
0.4448

■ 35.2592, 0.3065,  
0.4448

■ 33.9452, 0.3048,  
0.4798

■ 36.8717, 0.3082,  
0.4110

■ 32.9072, 0.3031,  
0.5142

■ 38.7947, 0.3099,  
0.3798

■ 32.1269, 0.3017,  
0.5454

■ 41.0448, 0.3114,  
0.3518

■ 31.5818, 0.3007,  
0.5709


■ 43.6363, 0.3128,  
0.3272


■ 31.2454, 0.3001,  
0.5885

■ 46.5825, 0.3140,  
0.3057


 31.0694, 0.2998,  
0.5984

 49.8963, 0.3151,  
0.2872

 31.0573, 0.2997,  
0.5990

 53.5895, 0.3161,  
0.2713

 57.6736, 0.3169,  
0.2577

 59.5317, 0.3163,  
0.2517

# Harmonies

## Analogous

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



35.2592, 0.3736, 0.4559



35.2592, 0.3065, 0.4448



35.2592, 0.2446, 0.3880

# Triad

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



35.2592, 0.3065, 0.4448



35.2592, 0.2043, 0.2272



35.2592, 0.4340, 0.3251

# Complementary

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



35.2592, 0.3065, 0.4448



22.8419, 0.3183, 0.2353

# 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.



35.2592, 0.3780, 0.2772



35.2592, 0.3065, 0.4448



35.2592, 0.2441, 0.2230

# Square

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



35.2592, 0.3065, 0.4448



35.2592, 0.1905, 0.2572



35.2592, 0.3063, 0.2410



35.2592, 0.4518, 0.3776



# Rectangle

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



35.2592, 0.3065, 0.4448



35.2592, 0.2145, 0.3384



35.2592, 0.3063, 0.2410



35.2592, 0.4188, 0.3083

# Sweetspot

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



35.2607, 0.3065, 0.4448



73.1481, 0.3110, 0.3599



41.3437, 0.3704, 0.4244



15.7388, 0.3108, 0.3634



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

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



35.2607, 0.3065, 0.4448



61.8619, 0.3050, 0.4750



36.1159, 0.2827, 0.3862



9.4920, 0.3114, 0.3522



22.7873, 0.2997, 0.5988



0.7176, 0.2983, 0.5939



# Inverse Universe

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



22.8419, 0.3183, 0.2353



36.1676, 0.3195, 0.2165



21.6850, 0.3600, 0.2787



8.6446, 0.3140, 0.3069



8.9993, 0.3245, 0.1561



0.2838, 0.3234, 0.1555



# Previews

## White Background



This preview shows how the Yxy color 35.2592, 0.3065, 0.4448 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 35.2592, 0.3065, 0.4448 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 35.2592, 0.3065, 0.4448**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.2592, 0.3065, 0.4448.



This preview shows how white text looks on a background with the Yxy color 35.2592, 0.3065, 0.4448.

# 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

35.2592, 0.3065, 0.4448

### Protanopia

34.7345, 0.3822, 0.4122

### Deuteranopia

34.9219, 0.3912, 0.3837



## Tritanopia

35.0386, 0.2636, 0.3074

# Trichromacy



## Original Color

35.2592, 0.3065, 0.4448



## Protanomaly

34.3938, 0.3516, 0.4238



## Deuteranomaly

34.1110, 0.3574, 0.4048



## Tritanomaly

34.7955, 0.2796, 0.3549

# Monochromacy



## Original Color

35.2592, 0.3065, 0.4448



## Achromatopsia

29.6138, 0.3127, 0.3290



## Achromatomaly

31.1337, 0.3108, 0.3702

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.2592, 0.3065, 0.4448 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(107, 176, 108)` looks like.

```
.text, #text, p{  
    color:rgb(107, 176, 108)  
}
```

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(107, 176, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 176, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 35.2592, 0.3065, 0.4448 is called "border". The border property can be set on classes, ids or directly on the HTML element.

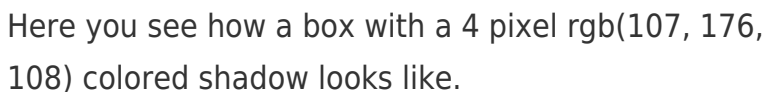
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 176, 108) }
```

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

```
.border{ border-color:rgb(107, 176, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 176, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 176, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 176, 108);  
box-shadow:4px 4px 4px 4px rgb(107, 176,  
108) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.2592, 0.3065, 0.4448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 176, 108) }
```

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

```
.background{ background-color: rgb(107,  
176, 108) }
```

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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