

# Converting Colors

Yxy(44.0448, 0.2962, 0.4668)

Have a look what the booklet for  
Yxy(44.0448, 0.2962, 0.4668)  
contains.

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# Color

**Yxy(44.0448, 0.2962, 0.4668)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60C670
RGB	96, 198, 112
RGB Percent	38%, 78%, 44%
CMY	0.6233, 0.2235, 0.5607
CMYK	0.51, 0.00, 0.43, 0.22
HSL	129°, 47%, 58%
HSV	129°, 51%, 78%
XYZ	27.9479, 44.0448, 22.3621
YIQ	157.6980, -33.1860, -48.3700

# Conversions

## Conversions Part 2

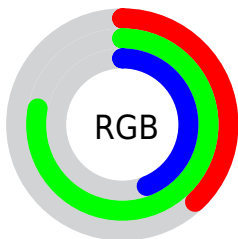
<b>Format</b>	<b>Color</b>
<b>RYB</b>	96, 184, 198
Decimal	6342256
CIELab	72.26, -47.94, 34.17
CIELCh	72, 58.870, 144.519
Yxy	44.0448, 0.2962, 0.4668
Android (android.graphics.Color)	4284532336 (0xFF60C670)
YUV	157.6980, -22.5291, -54.1091
Hunter-Lab	66.3663, -40.9718, 26.4786

# Details

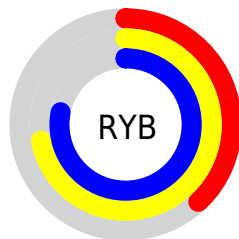
The Yxy color **44.0448, 0.2962, 0.4668** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **23.7610, 0.3368, 0.2228**, and the grayscale version is **34.1712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0089, 0.3010, 0.4379**, and **20.3161, 0.2864, 0.5141** is the 20% darker color. If you saturate the color by 10%, you get **42.7655, 0.2944, 0.4981**, and if you desaturate by 10%, it is **45.6672, 0.2988, 0.4357**.

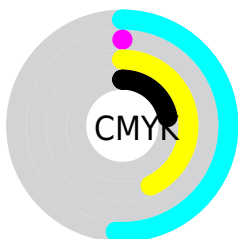
# Distribution



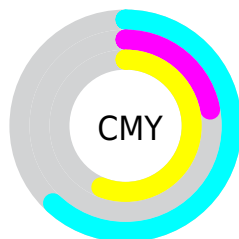
- Red (38%)
- Green (78%)
- Blue (44%)



- Red (38%)
- Yellow (72%)
- Blue (78%)



- Cyan (51%)
- Magenta (0%)
- Yellow (43%)
- Black (22%)




- Cyan (62%)
- Magenta (22%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0448, 0.2962, 0.4668 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 44.0448, 0.2962, 0.4668 by changing the saturation by 10% instead.




 44.0448, 0.2962,  
0.4668

 44.0448, 0.2962,  
0.4668

362.8911, 0.3075,  
0.3925


 30.7057, 0.2922,  
0.4870


 81.2852, 0.3011,  
0.4386


 20.3749, 0.2864,  
0.5137


 105.9552, 0.3027,  
0.4283

 12.6678, 0.2772,  
0.5506


 135.1711, 0.3039,  
0.4198

 7.2002, 0.2616,  
0.6039

 169.3171, 0.3049,  
0.4126

 3.5876, 0.2387,  
0.7037

208.7778, 0.3058,  
0.4065

 1.4457, 0.0764,  
0.9236

253.9374, 0.3064,

 0.2500, 0.0000,

0.4012

1.0000

305.1803, 0.3070,  
0.3965

■ 0.0000, 0.0000,  
0.0000

■ 44.0448, 0.2962,  
0.4668

■ 44.0448, 0.2962,  
0.4668

■ 42.7655, 0.2944,  
0.4981

■ 45.6672, 0.2988,  
0.4357

■ 41.7994, 0.2935,  
0.5277

■ 47.6493, 0.3019,  
0.4060

■ 41.1203, 0.2937,  
0.5537

■ 50.0132, 0.3053,  
0.3786

■ 40.6954, 0.2950,  
0.5744

■ 52.7776, 0.3088,  
0.3539

■ 40.4852, 0.2964,  
0.5871

■ 55.9598, 0.3122,  
0.3320

■ 59.5764, 0.3155,  
0.3129

■ 63.6429, 0.3187,  
0.2962

■ 68.1740, 0.3216,  
0.2818

■ 68.8663, 0.3153,  
0.2732

# Harmonies

## Analogous

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



44.0448, 0.3753, 0.4819



44.0448, 0.2962, 0.4668



44.0448, 0.2258, 0.3925

# Triad

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



44.0448, 0.2962, 0.4668



44.0448, 0.1893, 0.2082



44.0448, 0.4619, 0.3273

# Complementary

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



44.0448, 0.2962, 0.4668



23.7610, 0.3368, 0.2228

# 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.



44.0448, 0.3975, 0.2721



44.0448, 0.2962, 0.4668



44.0448, 0.2369, 0.2068

# Square

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



44.0448, 0.2962, 0.4668



44.0448, 0.1709, 0.2385



44.0448, 0.3115, 0.2296



44.0448, 0.4768, 0.3876

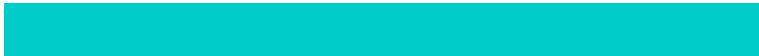


# Rectangle

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



44.0448, 0.2962, 0.4668



44.0448, 0.1933, 0.3310



44.0448, 0.3115, 0.2296



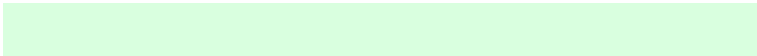
44.0448, 0.4450, 0.3080

# Sweetspot

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



44.0466, 0.2962, 0.4668



91.5470, 0.3075, 0.3628



51.2632, 0.3736, 0.4585



19.3700, 0.3067, 0.3681



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



44.0466, 0.2962, 0.4668



75.4523, 0.2942, 0.5025



45.4964, 0.2664, 0.3839



11.9145, 0.3095, 0.3491



26.3380, 0.2960, 0.5855



1.2559, 0.2866, 0.5516



# Inverse Universe

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



23.7610, 0.3368, 0.2228



35.5182, 0.3436, 0.2040



22.0408, 0.4055, 0.2826



10.7870, 0.3161, 0.3097



9.6326, 0.3645, 0.1781



0.4640, 0.3540, 0.1724



# Previews

## White Background



This preview shows how the Yxy color 44.0448, 0.2962, 0.4668 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 44.0448, 0.2962, 0.4668 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 44.0448, 0.2962, 0.4668**

## Background



This preview shows how black text looks on a background with the Yxy color 44.0448, 0.2962, 0.4668.



This preview shows how white text looks on a background with the Yxy color 44.0448, 0.2962, 0.4668.

# 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

44.0448, 0.2962, 0.4668

### Protanopia

43.3876, 0.3894, 0.4222

### Deuteranopia

43.1861, 0.3987, 0.3896



## Tritanopia

44.0601, 0.2520, 0.3076

# Trichromacy



## Original Color

44.0448, 0.2962, 0.4668



## Protanomaly

42.6116, 0.3500, 0.4400



## Deuteranomaly

41.9362, 0.3552, 0.4181



## Tritanomaly

43.8528, 0.2678, 0.3623

# Monochromacy



## Original Color

44.0448, 0.2962, 0.4668



## Achromatopsia

34.1914, 0.3127, 0.3290



## Achromatomaly

36.9611, 0.3051, 0.3792

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.0448, 0.2962, 0.4668 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(96, 198, 112)` looks like.

```
.text, #text, p{  
    color:rgb(96, 198, 112)  
}
```

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(96, 198, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 198, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 44.0448, 0.2962, 0.4668 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(96, 198, 112) }
```

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

```
.border{ border-color:rgb(96, 198, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 198, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 198, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 198, 112);  
box-shadow:4px 4px 4px 4px rgb(96, 198,  
112) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.0448, 0.2962, 0.4668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 198, 112) }
```

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

```
.background{ background-color: rgb(96, 198,  
112) }
```

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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