

# Converting Colors

$Yxy(24.5446, 0.3011, 0.4066)$

Have a look what the booklet for  
Yxy(24.5446, 0.3011, 0.4066)  
contains.

<b>Yxy(24.5816, 0.3013, 0.4063)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**$\text{Yxy}(24.5816, 0.3013, 0.4063)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	63936B
RGB	99, 147, 107
RGB Percent	39%, 58%, 42%
CMY	0.6119, 0.4235, 0.5804
CMYK	0.33, 0.00, 0.27, 0.42
HSL	130°, 20%, 48%
HSV	130°, 33%, 58%
XYZ	18.2290, 24.5816, 17.6905
YIQ	128.0880, -15.7680, -22.6160

# Conversions

## Conversions Part 2

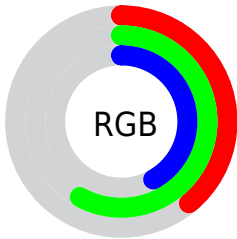
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	99, 140, 147
Decimal	6525803
CIE <sub>Lab</sub>	56.67, -24.87, 16.15
CIE <sub>LCh</sub>	57, 29.654, 146.997
Yxy	24.5816, 0.3013, 0.4063
Android (android.graphics.Color)	4284715883 (0xFF63936B)
YUV	128.0880, -10.3964, -25.5102
Hunter-Lab	49.5798, -21.1357, 13.5507

# Details

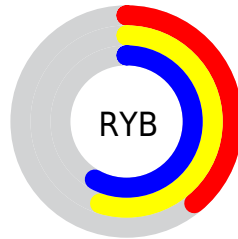
The Yxy color **24.5816, 0.3013, 0.4063** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.9829, 0.3268, 0.2624**, and the grayscale version is **21.6564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8558, 0.3040, 0.3874**, and **9.3596, 0.2957, 0.4402** is the 20% darker color. If you saturate the color by 10%, you get **23.5894, 0.2982, 0.4350**, and if you desaturate by 10%, it is **25.7631, 0.3047, 0.3797**.

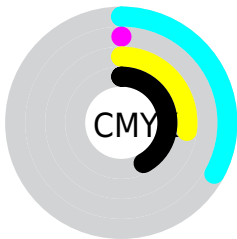
# Distribution



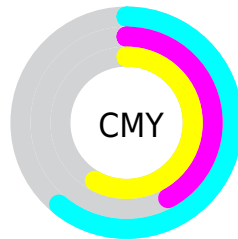
- Red (39%)
- Green (58%)
- Blue (42%)



- Red (39%)
- Yellow (55%)
- Blue (58%)



- Cyan (33%)
- Magenta (0%)
- Yellow (27%)
- Black (42%)




- Cyan (61%)
- Magenta (42%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5816, 0.3013, 0.4063 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 24.5816, 0.3013, 0.4063 by changing the saturation by 10% instead.





 24.5816, 0.3013,  
0.4063


 24.5816, 0.3013,  
0.4063


275.7478, 0.3085,  
0.3618


 15.7656, 0.2987,  
0.4199


 50.9776, 0.3044,  
0.3884


 9.3584, 0.2948,  
0.4394


 69.3265, 0.3054,  
0.3822

 4.9757, 0.2883,  
0.4690

 91.6217, 0.3062,  
0.3772

 2.2330, 0.2757,  
0.5196

 118.2478, 0.3069,  
0.3731

 0.7379, 0.1133,  
0.8867

149.5890, 0.3074,  
0.3696

 0.0000, 0.0000,  
0.0000

186.0298, 0.3078,

0.3666

227.9546, 0.3082,  
0.3640

■ 24.5816, 0.3013,  
0.4063

■ 24.5816, 0.3013,  
0.4063

■ 23.5894, 0.2982,  
0.4350

■ 25.7631, 0.3047,  
0.3797

■ 22.7736, 0.2956,  
0.4651

■ 27.1398, 0.3083,  
0.3557

■ 22.1247, 0.2937,  
0.4954


■ 28.7212, 0.3118,  
0.3343

■ 21.6309, 0.2928,  
0.5243


■ 30.5151, 0.3152,  
0.3155

■ 21.2790, 0.2930,  
0.5500


■ 32.5291, 0.3185,  
0.2991


 21.0534, 0.2943,  
0.5709

 34.7702, 0.3215,  
0.2848

 20.9395, 0.2952,  
0.5829

 37.2454, 0.3244,  
0.2724

 39.9612, 0.3270,  
0.2617

 42.9237, 0.3295,  
0.2524

# Harmonies

## Analogous

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



24.5816, 0.3518, 0.4223



24.5816, 0.3013, 0.4063



24.5816, 0.2562, 0.3631

# Triad

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



24.5816, 0.3013, 0.4063



24.5816, 0.2344, 0.2504



24.5816, 0.4058, 0.3349

# Complementary

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



24.5816, 0.3013, 0.4063



16.9829, 0.3268, 0.2624

# 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.



24.5816, 0.3692, 0.2962



24.5816, 0.3013, 0.4063



24.5816, 0.2688, 0.2493

# Square

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



24.5816, 0.3013, 0.4063



24.5816, 0.2200, 0.2713



24.5816, 0.3177, 0.2658



24.5816, 0.4146, 0.3751



# Rectangle

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



24.5816, 0.3013, 0.4063



24.5816, 0.2347, 0.3283



24.5816, 0.3177, 0.2658



24.5816, 0.3963, 0.3215

# Sweetspot

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



24.5826, 0.3013, 0.4063



49.2634, 0.3091, 0.3501



27.2604, 0.3513, 0.4104



11.1666, 0.3087, 0.3530



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290



# Same Dimension

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



24.5826, 0.3013, 0.4063



42.7178, 0.2990, 0.4266



25.1598, 0.2805, 0.3588



6.4833, 0.3095, 0.3479



18.1529, 0.2950, 0.5821



0.2252, 0.2783, 0.5220



# Inverse Universe

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



16.9829, 0.3268, 0.2624



26.9987, 0.3307, 0.2481



16.3567, 0.3608, 0.3013



5.8927, 0.3161, 0.3108



6.6082, 0.3670, 0.1796



0.0844, 0.3418, 0.1657



# Previews

## White Background



This preview shows how the Yxy color 24.5816, 0.3013, 0.4063 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5816, 0.3013, 0.4063 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

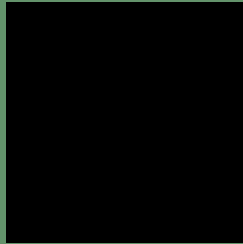
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.5816, 0.3013, 0.4063**

## Background



This preview shows how black text looks on a background with the Yxy color 24.5816, 0.3013, 0.4063.



This preview shows how white text looks on a background with the Yxy color 24.5816, 0.3013, 0.4063.

# 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

24.5816, 0.3013, 0.4063

### Protanopia

24.3070, 0.3603, 0.3852

### Deuteranopia

24.2811, 0.3670, 0.3599



## Tritanopia

24.5049, 0.2699, 0.3094

# Trichromacy



## Original Color

24.5816, 0.3013, 0.4063

## Protanomaly

24.0539, 0.3364, 0.3921

## Deuteranomaly

23.9683, 0.3403, 0.3747

## Tritanomaly

24.4258, 0.2811, 0.3418

# Monochromacy



## Original Color

24.5816, 0.3013, 0.4063

## Achromatopsia

21.5861, 0.3127, 0.3290

## Achromatomaly

22.4659, 0.3081, 0.3569

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  24.5816, 0.3013, 0.4063 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  $rgb(99, 147, 107)$  looks like.

```
.text, #text, p{  
    color:rgb(99, 147, 107)  
}
```

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(99, 147, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 147, 107) }
```

## Border

The CSS property to change the border of an element to Yxy 24.5816, 0.3013, 0.4063 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(99, 147, 107) }
```

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

```
.border{ border-color:rgb(99, 147, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 147, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 147, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 147, 107);  
box-shadow:4px 4px 4px 4px rgb(99, 147,  
107) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.5816, 0.3013, 0.4063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 147, 107) }
```

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

```
.background{ background-color: rgb(99, 147,  
107) }
```

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