

# Converting Colors

$Yxy(24.8093, 0.3098, 0.4489)$

Have a look what the booklet for  
Yxy(24.8093, 0.3098, 0.4489)  
contains.

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# Color

**$\text{Yxy}(24.8093, 0.3098, 0.4489)$**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5C9659
RGB	92, 150, 89
RGB Percent	36%, 59%, 35%
CMY	0.6393, 0.4117, 0.6510
CMYK	0.39, 0.00, 0.41, 0.41
HSL	117°, 26%, 47%
HSV	117°, 41%, 59%
XYZ	17.1217, 24.8093, 13.3359
YIQ	125.7040, -14.9870, -31.2670

# Conversions

## Conversions Part 2

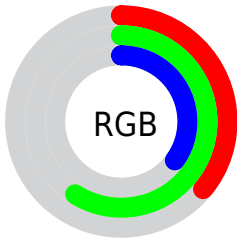
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	89, 150, 147
Decimal	6067801
CIE <sub>Lab</sub>	56.89, -31.79, 26.35
CIE <sub>LCh</sub>	57, 41.292, 140.351
Yxy	24.8093, 0.3098, 0.4489
Android (android.graphics.Color)	4284257881 (0xFF5C9659)
YUV	125.7040, -18.0951, -29.5584
Hunter-Lab	49.8089, -25.8068, 18.9919

# Details

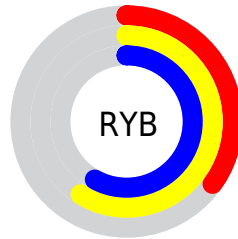
The Yxy color **24.8093, 0.3098, 0.4489** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.5507, 0.3132, 0.2307**, and the grayscale version is **20.8237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5758, 0.3120, 0.4208**, and **9.5623, 0.3036, 0.5010** is the 20% darker color. If you saturate the color by 10%, you get **23.9168, 0.3085, 0.4835**, and if you desaturate by 10%, it is **25.8936, 0.3108, 0.4153**.

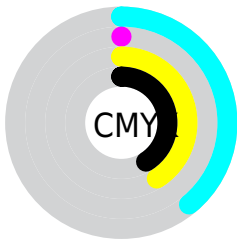
# Distribution



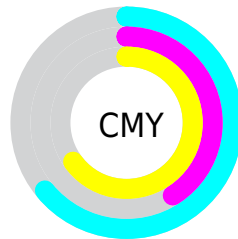
- Red (36%)
- Green (59%)
- Blue (35%)



- Red (35%)
- Yellow (59%)
- Blue (58%)



- Cyan (39%)
- Magenta (0%)
- Yellow (41%)
- Black (41%)




- Cyan (64%)
- Magenta (41%)
- Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.8093, 0.3098, 0.4489 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 24.8093, 0.3098, 0.4489 by changing the saturation by 10% instead.




 24.8093, 0.3098,  
0.4489


 24.8093, 0.3098,  
0.4489


276.8869, 0.3136,  
0.3792


 15.9350, 0.3075,  
0.4704


 51.3477, 0.3120,  
0.4208


 9.4782, 0.3033,  
0.5007


 69.7806, 0.3126,  
0.4111


 5.0544, 0.2949,  
0.5465

 92.1685, 0.3129,  
0.4032

 2.2792, 0.2902,  
0.6542

 118.8958, 0.3132,  
0.3968

 0.7627, 0.0000,  
1.0000

 150.3469, 0.3134,  
0.3913

 0.0000, 0.0000,  
0.0000

186.9062, 0.3135,

0.3867

228.9581, 0.3136,  
0.3827

■ 24.8093, 0.3098,  
0.4489

■ 24.8093, 0.3098,  
0.4489

■ 23.9168, 0.3085,  
0.4835

■ 25.8936, 0.3108,  
0.4153

■ 23.2021, 0.3070,  
0.5171

■ 27.1765, 0.3117,  
0.3840

■ 22.6541, 0.3054,  
0.5475


■ 28.6686, 0.3123,  
0.3557


■ 22.2593, 0.3037,  
0.5720


■ 30.3785, 0.3127,  
0.3306


■ 22.0021, 0.3022,  
0.5890


■ 32.3145, 0.3130,  
0.3086

 21.8621, 0.3013,  
0.5989

 34.4844, 0.3132,  
0.2895

 36.8958, 0.3133,  
0.2730

 39.5556, 0.3133,  
0.2587

 42.4708, 0.3133,  
0.2464

# Harmonies

## Analogous

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



24.8093, 0.3777, 0.4573



24.8093, 0.3098, 0.4489



24.8093, 0.2462, 0.3929

# Triad

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



24.8093, 0.3098, 0.4489



24.8093, 0.2013, 0.2265



24.8093, 0.4340, 0.3222

# Complementary

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



24.8093, 0.3098, 0.4489



15.5507, 0.3132, 0.2307

# 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.



24.8093, 0.3754, 0.2741



24.8093, 0.3098, 0.4489



24.8093, 0.2403, 0.2211

# Square

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



24.8093, 0.3098, 0.4489



24.8093, 0.1887, 0.2582



24.8093, 0.3024, 0.2383



24.8093, 0.4543, 0.3754



# Rectangle

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



24.8093, 0.3098, 0.4489



24.8093, 0.2148, 0.3424



24.8093, 0.3024, 0.2383



24.8093, 0.4178, 0.3053

# Sweetspot

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



24.8103, 0.3098, 0.4489



50.1524, 0.3122, 0.3599



28.0595, 0.3735, 0.4224



11.0454, 0.3121, 0.3630



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.



24.8103, 0.3098, 0.4489



42.3050, 0.3086, 0.4810



25.2097, 0.2845, 0.3940



6.4812, 0.3123, 0.3518



18.1345, 0.3015, 0.5988



0.2246, 0.3088, 0.5930



# Inverse Universe

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



15.5507, 0.3132, 0.2307



23.6168, 0.3130, 0.2101



15.0473, 0.3568, 0.2726



5.8949, 0.3130, 0.3071



6.6479, 0.3090, 0.1476



0.0849, 0.3154, 0.1511



# Previews

## White Background



This preview shows how the Yxy color 24.8093, 0.3098, 0.4489 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 24.8093, 0.3098, 0.4489 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

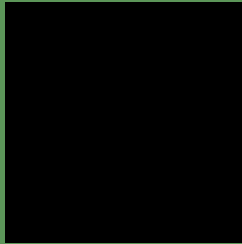
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.8093, 0.3098, 0.4489**

## **Background**



This preview shows how black text looks on a background with the Yxy color 24.8093, 0.3098, 0.4489.



This preview shows how white text looks on a background with the Yxy color 24.8093, 0.3098, 0.4489.

# 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

24.8093, 0.3098, 0.4489

### Protanopia

24.5443, 0.3827, 0.4153

### Deuteranopia

24.4548, 0.3931, 0.3860



## Tritanopia

24.6222, 0.2650, 0.3076

# Trichromacy



**Original Color**

24.8093, 0.3098, 0.4489

**Protanomaly**

24.3108, 0.3537, 0.4276

**Deuteranomaly**

23.9824, 0.3604, 0.4078

**Tritanomaly**

24.5718, 0.2820, 0.3570

# Monochromacy



**Original Color**

24.8093, 0.3098, 0.4489

**Achromatopsia**

20.8637, 0.3127, 0.3290

**Achromatomaly**

22.0976, 0.3119, 0.3708

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.8093, 0.3098, 0.4489 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(92, 150, 89)` looks like.

```
.text, #text, p{  
    color:rgb(92, 150, 89)  
}
```

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(92, 150, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 150, 89) }
```

## Border

The CSS property to change the border of an element to Yxy 24.8093, 0.3098, 0.4489 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(92, 150, 89) }
```

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

```
.border{ border-color:rgb(92, 150, 89) }
```

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

Here you see how a box with a 4 pixel rgb(92, 150, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 150, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 150, 89);  
box-shadow:4px 4px 4px 4px rgb(92, 150,  
89) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.8093, 0.3098, 0.4489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 150, 89) }
```

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

```
.background{ background-color: rgb(92, 150,  
89) }
```

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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