

# Converting Colors

$Y_{xy}(25.0080, 0.2882, 0.3948)$

Have a look what the booklet for  
Yxy(25.0080, 0.2882, 0.3948)  
contains.

<b>Yxy(25.0080, 0.2882, 0.3948)</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

**$Y_{xy}(25.0080, 0.2882, 0.3948)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	5C9573
RGB	92, 149, 115
RGB Percent	36%, 58%, 45%
CMY	0.6392, 0.4157, 0.5491
CMYK	0.38, 0.00, 0.23, 0.42
HSL	144°, 24%, 47%
HSV	144°, 38%, 58%
XYZ	18.2556, 25.0080, 20.0799
YIQ	128.0810, -23.0580, -22.6580

# Conversions

## Conversions Part 2

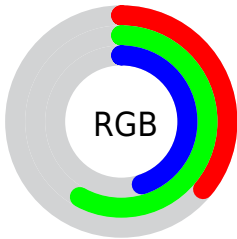
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	92, 133, 149
Decimal	6067571
CIE <sub>Lab</sub>	57.08, -26.53, 12.16
CIE <sub>LCh</sub>	57, 29.186, 155.366
Yxy	25.0080, 0.2882, 0.3948
Android (android.graphics.Color)	4284257651 (0xFF5C9573)
YUV	128.0810, -6.4489, -31.6430
Hunter-Lab	50.0080, -22.3520, 11.1987

# Details

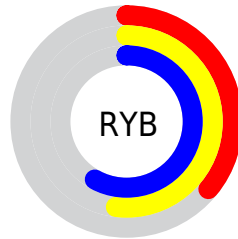
The Yxy color **25.0080, 0.2882, 0.3948** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.5530, 0.3492, 0.2717**, and the grayscale version is **21.6456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4312, 0.2936, 0.3791**, and **9.6329, 0.2778, 0.4224** is the 20% darker color. If you saturate the color by 10%, you get **24.1206, 0.2832, 0.4159**, and if you desaturate by 10%, it is **26.0682, 0.2940, 0.3752**.

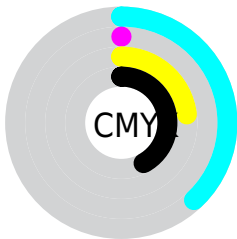
# Distribution



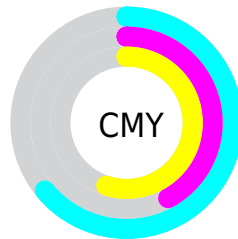
- Red (36%)
- Green (58%)
- Blue (45%)



- Red (36%)
- Yellow (52%)
- Blue (58%)



- Cyan (38%)
- Magenta (0%)
- Yellow (23%)
- Black (42%)




- Cyan (64%)
- Magenta (42%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0080, 0.2882, 0.3948 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 25.0080, 0.2882, 0.3948 by changing the saturation by 10% instead.




 25.0080, 0.2882,  
0.3948


 25.0080, 0.2882,  
0.3948


277.8778, 0.3024,  
0.3571

 16.0830, 0.2838,  
0.4063


 51.6702, 0.2939,  
0.3797


 9.5829, 0.2775,  
0.4226


 70.1762, 0.2959,  
0.3745

 5.1233, 0.2678,  
0.4474

 92.6447, 0.2975,  
0.3702

 2.3198, 0.2509,  
0.4895

 119.4600, 0.2988,  
0.3667

 0.7842, 0.1104,  
0.8859

151.0066, 0.2999,  
0.3637

 0.0000, 0.0000,  
0.0000

187.6688, 0.3009,

0.3612

229.8311, 0.3017,  
0.3590

■ 25.0080, 0.2882,  
0.3948

■ 25.0080, 0.2882,  
0.3948

■ 24.1206, 0.2832,  
0.4159

■ 26.0682, 0.2940,  
0.3752

■ 23.3934, 0.2793,  
0.4381

■ 27.3067, 0.3004,  
0.3572

■ 22.8171, 0.2769,  
0.4609


■ 28.7327, 0.3071,  
0.3410


■ 22.3799, 0.2762,  
0.4835


■ 30.3538, 0.3139,  
0.3266

■ 22.0684, 0.2772,  
0.5052


■ 32.1771, 0.3206,  
0.3138

 21.8562, 0.2798,  
0.5253

 34.2095, 0.3272,  
0.3025

 21.8226, 0.2802,  
0.5287

 36.4573, 0.3336,  
0.2926

 38.9269, 0.3396,  
0.2840

 41.6241, 0.3454,  
0.2765

# Harmonies

## Analogous

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



25.0080, 0.3375, 0.4190



25.0080, 0.2882, 0.3948



25.0080, 0.2475, 0.3482

# Triad

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



25.0080, 0.2882, 0.3948



25.0080, 0.2436, 0.2497



25.0080, 0.4093, 0.3461

# Complementary

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



25.0080, 0.2882, 0.3948



15.5530, 0.3492, 0.2717

# 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.



25.0080, 0.3801, 0.3069



25.0080, 0.2882, 0.3948



25.0080, 0.2821, 0.2537

# Square

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



25.0080, 0.2882, 0.3948



25.0080, 0.2237, 0.2648



25.0080, 0.3322, 0.2742



25.0080, 0.4095, 0.3845



# Rectangle

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



25.0080, 0.2882, 0.3948



25.0080, 0.2301, 0.3147



25.0080, 0.3322, 0.2742



25.0080, 0.4025, 0.3327

# Sweetspot

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



25.0090, 0.2882, 0.3948



50.6592, 0.3051, 0.3457



26.7199, 0.3427, 0.4296



11.1574, 0.3043, 0.3476



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.



25.0090, 0.2882, 0.3948



43.3877, 0.2838, 0.4131



25.7639, 0.2653, 0.3393



6.5049, 0.3065, 0.3425



18.3718, 0.2799, 0.5275



0.2304, 0.2566, 0.4438



# Inverse Universe

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



15.5530, 0.3492, 0.2717



23.9391, 0.3609, 0.2589



14.9223, 0.3941, 0.3193



5.8700, 0.3195, 0.3159



5.9898, 0.4514, 0.2260



0.0792, 0.3818, 0.1877



# Previews

## White Background



This preview shows how the Yxy color 25.0080, 0.2882, 0.3948 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 25.0080, 0.2882, 0.3948 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

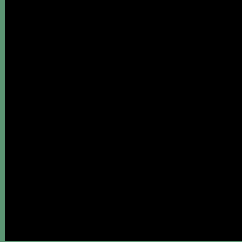
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.0080, 0.2882, 0.3948**

## **Background**



This preview shows how black text looks on a background with the Yxy color 25.0080, 0.2882, 0.3948.



This preview shows how white text looks on a background with the Yxy color 25.0080, 0.2882, 0.3948.

# 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

25.0080, 0.2882, 0.3948

### Protanopia

24.7322, 0.3522, 0.3748

### Deuteranopia

24.6324, 0.3560, 0.3486



## Tritanopia

25.0798, 0.2622, 0.3094

# Trichromacy



**Original Color**

25.0080, 0.2882, 0.3948

**Protanomaly**

24.6331, 0.3265, 0.3830

**Deuteranomaly**

24.4715, 0.3278, 0.3641

**Tritanomaly**

25.0479, 0.2721, 0.3399

# Monochromacy



**Original Color**

25.0080, 0.2882, 0.3948

**Achromatopsia**

21.5861, 0.3127, 0.3290

**Achromatomaly**

22.6832, 0.3028, 0.3532

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  25.0080, 0.2882, 0.3948 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, 149, 115)` looks like.

```
.text, #text, p{  
  color:rgb(92, 149, 115)  
}
```

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, 149, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 149, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 25.0080, 0.2882, 0.3948 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, 149, 115) }
```

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

```
.border{ border-color:rgb(92, 149, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 149, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 149, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 149, 115);  
box-shadow:4px 4px 4px 4px rgb(92, 149,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.0080, 0.2882, 0.3948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 149, 115) }
```

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

```
.background{ background-color: rgb(92, 149,  
115) }
```

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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