

# Converting Colors

$Yxy(40.9349, 0.3273, 0.4104)$

Have a look what the booklet for  
Yxy(40.9349, 0.3273, 0.4104)  
contains.

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# Color

**Yxy(40.8760, 0.3267, 0.4100)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94B57F
RGB	148, 181, 127
RGB Percent	58%, 71%, 50%
CMY	0.4195, 0.2902, 0.5020
CMYK	0.18, 0.00, 0.30, 0.29
HSL	97°, 27%, 60%
HSV	97°, 30%, 71%
XYZ	32.5712, 40.8760, 26.2504
YIQ	164.9770, -2.3340, -23.7900

# Conversions

## Conversions Part 2

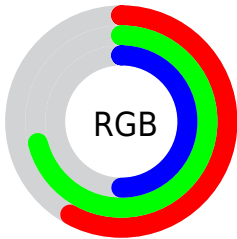
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 181, 160
Decimal	9745791
CIELab	70.09, -21.18, 23.95
CIElCh	70, 31.974, 131.485
Yxy	40.8760, 0.3267, 0.4100
Android (android.graphics.Color)	4287935871 (0xFF94B57F)
YUV	164.9770, -18.7227, -14.8888
Hunter-Lab	63.9343, -20.9487, 20.4106

# Details

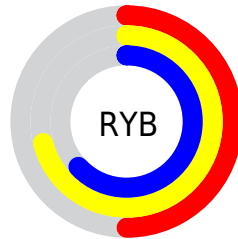
The Yxy color  $40.8760, 0.3267, 0.4100$  is a light color, and the websafe version is hex  $99CC99$ . A complement of this color would be  $25.9841, 0.2938, 0.2510$ , and the grayscale version is  $37.7107, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $76.5602, 0.3250, 0.3939$ , and  $18.4610, 0.3290, 0.4375$  is the 20% darker color. If you saturate the color by 10%, you get  $39.4654, 0.3304, 0.4407$ , and if you desaturate by 10%, it is  $42.4733, 0.3223, 0.3807$ .

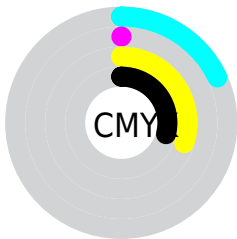
# Distribution



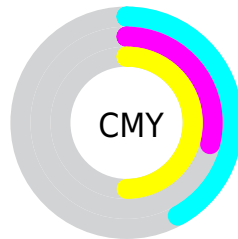
- Red (58%)
- Green (71%)
- Blue (50%)



- Red (50%)
- Yellow (71%)
- Blue (63%)



- Cyan (18%)
- Magenta (0%)
- Yellow (30%)
- Black (29%)




- Cyan (42%)
- Magenta (29%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8760, 0.3267, 0.4100 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 40.8760, 0.3267, 0.4100 by changing the saturation by 10% instead.





 40.8760, 0.3267,  
0.4100


 40.8760, 0.3267,  
0.4100

349.8021, 0.3205,  
0.3671

 28.2222, 0.3279,  
0.4215


 76.4956, 0.3247,  
0.3938

 18.4932, 0.3292,  
0.4366


 100.2302, 0.3239,  
0.3879

 11.3047, 0.3303,  
0.4576


 128.4273, 0.3231,  
0.3830

 6.2722, 0.3308,  
0.4881

161.4711, 0.3225,  
0.3789

 3.0113, 0.3293,  
0.5374

199.7461, 0.3219,  
0.3753

 1.1376, 0.3237,  
0.6763

243.6366, 0.3214,

 0.0098, 0.0000,

0.3722

1.0000

293.5272, 0.3209,  
0.3695

0.0000, 0.0000,  
0.0000

40.8760, 0.3267,  
0.4100

40.8760, 0.3267,  
0.4100

39.4654, 0.3304,  
0.4407

42.4733, 0.3223,  
0.3807

38.2290, 0.3332,  
0.4718

44.2588, 0.3175,  
0.3535

37.1606, 0.3345,  
0.5018

46.2407, 0.3126,  
0.3286

36.2517, 0.3342,  
0.5292

48.4253, 0.3078,  
0.3062

35.4930, 0.3321,  
0.5522

50.8183, 0.3030,  
0.2862

■ 34.8736, 0.3282,  
0.5696

■ 53.4253, 0.2985,  
0.2684

■ 34.3750, 0.3231,  
0.5815

■ 56.2518, 0.2943,  
0.2526

■ 34.3675, 0.3230,  
0.5817

■ 58.1733, 0.3018,  
0.2533

■ 60.1283, 0.3103,  
0.2552

# Harmonies

## Analogous

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



40.8760, 0.3703, 0.4103



40.8760, 0.3267, 0.4100



40.8760, 0.2813, 0.3822

# Triad

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



40.8760, 0.3267, 0.4100



40.8760, 0.2316, 0.2648



40.8760, 0.3828, 0.3158

# Complementary

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



40.8760, 0.3267, 0.4100



25.9841, 0.2938, 0.2510

# 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.



40.8760, 0.3407, 0.2832



40.8760, 0.3267, 0.4100



40.8760, 0.2542, 0.2542

# Square

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



40.8760, 0.3267, 0.4100



40.8760, 0.2287, 0.2939



40.8760, 0.2933, 0.2612



40.8760, 0.4048, 0.3530



# Rectangle

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



40.8760, 0.3267, 0.4100



40.8760, 0.2561, 0.3530



40.8760, 0.2933, 0.2612



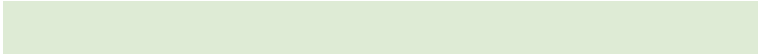
40.8760, 0.3703, 0.3041

# Sweetspot

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



40.8778, 0.3267, 0.4100



79.5005, 0.3172, 0.3517



36.2889, 0.3650, 0.3747



17.0783, 0.3179, 0.3555



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



40.8778, 0.3267, 0.4100



71.4666, 0.3293, 0.4307



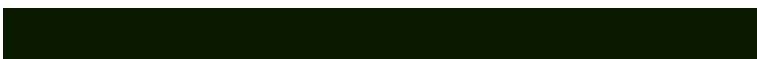
39.2355, 0.3047, 0.4058



9.6461, 0.3173, 0.3521



23.7305, 0.3239, 0.5810



0.7809, 0.3476, 0.5622



# Inverse Universe

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



25.9841, 0.2938, 0.2510



40.3491, 0.2883, 0.2320



28.1202, 0.3218, 0.2627



8.4782, 0.3078, 0.3061



4.6483, 0.2268, 0.1023



0.1788, 0.2534, 0.1170



# Previews

## White Background



This preview shows how the Yxy color 40.8760, 0.3267, 0.4100 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

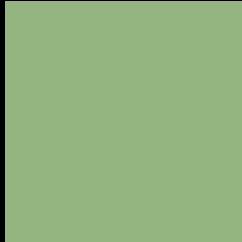
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.8760, 0.3267, 0.4100 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 40.8760, 0.3267, 0.4100**

## Background



This preview shows how black text looks on a background with the Yxy color 40.8760, 0.3267, 0.4100.



This preview shows how white text looks on a background with the Yxy color 40.8760, 0.3267, 0.4100.

# 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

40.8760, 0.3267, 0.4100

### Protanopia

40.7462, 0.3671, 0.3946

### Deuteranopia

40.6071, 0.3797, 0.3719



## Tritanopia

40.6431, 0.2880, 0.3095

# Trichromacy



## Original Color

40.8760, 0.3267, 0.4100

## Protanomaly

40.7731, 0.3520, 0.4014

## Deuteranomaly

40.3062, 0.3593, 0.3842

## Tritanomaly

40.6373, 0.3025, 0.3448

# Monochromacy



## Original Color

40.8760, 0.3267, 0.4100

## Achromatopsia

37.6262, 0.3127, 0.3290

## Achromatomaly

38.7311, 0.3186, 0.3582

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.8760, 0.3267, 0.4100 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(148, 181, 127)` looks like.

```
.text, #text, p{  
    color:rgb(148, 181, 127)  
}
```

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(148, 181, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 181, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 40.8760, 0.3267, 0.4100 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(148, 181, 127) }
```

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

```
.border{ border-color:rgb(148, 181, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 181, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 181, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 181, 127);  
box-shadow:4px 4px 4px 4px rgb(148, 181,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.8760, 0.3267, 0.4100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 181, 127) }
```

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

```
.background{ background-color: rgb(148,  
181, 127) }
```

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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