

# Converting Colors

$Yxy(40.8837, 0.3293, 0.4122)$

Have a look what the booklet for  
Yxy(40.8837, 0.3293, 0.4122)  
contains.

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# Color

**Yxy(40.9180, 0.3291, 0.4128)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95B57D
RGB	149, 181, 125
RGB Percent	58%, 71%, 49%
CMY	0.4157, 0.2902, 0.5098
CMYK	0.18, 0.00, 0.31, 0.29
HSL	94°, 27%, 60%
HSV	94°, 31%, 71%
XYZ	32.6214, 40.9180, 25.5837
YIQ	165.0480, -1.0960, -24.2000

# Conversions

## Conversions Part 2

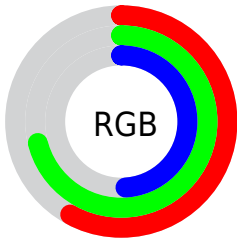
Format	Color
<a href="#">RYB</a>	<a href="#">125, 181, 157</a>
Decimal	<a href="#">9811325</a>
CIELab	<a href="#">70.12, -21.13, 25.07</a>
CIELCh	<a href="#">70, 32.782, 130.127</a>
Yxy	<a href="#">40.9180, 0.3291, 0.4128</a>
Android (android.graphics.Color)	<a href="#">4288001405 (0xFF95B57D)</a>
YUV	<a href="#">165.0480, -19.7437, -14.0741</a>
Hunter-Lab	<a href="#">63.9672, -20.9128, 21.0640</a>

# Details

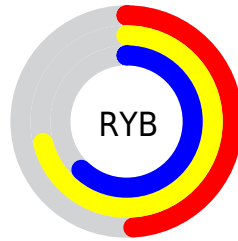
The Yxy color **40.9180, 0.3291, 0.4128** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **25.1748, 0.2907, 0.2474**, and the grayscale version is **37.7497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6201, 0.3269, 0.3961**, and **18.4877, 0.3322, 0.4413** is the 20% darker color. If you saturate the color by 10%, you get **39.5684, 0.3334, 0.4432**, and if you desaturate by 10%, it is **42.4419, 0.3241, 0.3836**.

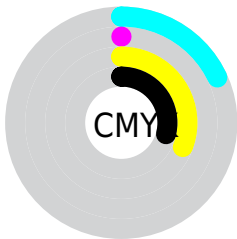
# Distribution



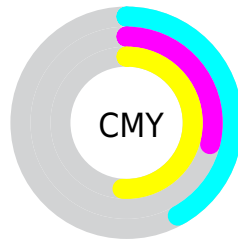
- Red (58%)
- Green (71%)
- Blue (49%)



- Red (49%)
- Yellow (71%)
- Blue (62%)



- Cyan (18%)
- Magenta (0%)
- Yellow (31%)
- Black (29%)




- Cyan (42%)
- Magenta (29%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9180, 0.3291, 0.4128 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 40.9180, 0.3291, 0.4128 by changing the saturation by 10% instead.





 40.9180, 0.3291,  
0.4128


 40.9180, 0.3291,  
0.4128


349.9778, 0.3218,  
0.3684

 28.2550, 0.3305,  
0.4246


 76.5594, 0.3267,  
0.3961

 18.5180, 0.3321,  
0.4403


 100.3066, 0.3257,  
0.3900

 11.3225, 0.3337,  
0.4618


 128.5173, 0.3248,  
0.3849

 6.2842, 0.3345,  
0.4931

161.5760, 0.3241,  
0.3806

 3.0186, 0.3341,  
0.5445

199.8670, 0.3234,  
0.3769

 1.1415, 0.3247,  
0.6753

243.7747, 0.3228,

 0.0131, 0.0000,

0.3737

1.0000

293.6835, 0.3222,  
0.3709

0.0000, 0.0000,  
0.0000

40.9180, 0.3291,  
0.4128

40.9180, 0.3291,  
0.4128

39.5684, 0.3334,  
0.4432

42.4419, 0.3241,  
0.3836

38.3809, 0.3365,  
0.4737

44.1411, 0.3187,  
0.3563

37.3499, 0.3382,  
0.5029


46.0235, 0.3132,  
0.3312

36.4674, 0.3382,  
0.5293


48.0946, 0.3078,  
0.3085

35.7246, 0.3361,  
0.5513

50.3601, 0.3025,  
0.2881

 35.1111, 0.3322,  
0.5676

 52.8252, 0.2974,  
0.2699

 34.6503, 0.3275,  
0.5781

 55.4947, 0.2926,  
0.2538

 57.3825, 0.2982,  
0.2525

 59.1622, 0.3061,  
0.2543

# Harmonies

## Analogous

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



40.9180, 0.3734, 0.4117



40.9180, 0.3291, 0.4128



40.9180, 0.2824, 0.3854

# Triad

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



40.9180, 0.3291, 0.4128



40.9180, 0.2292, 0.2642



40.9180, 0.3829, 0.3137

# Complementary

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



40.9180, 0.3291, 0.4128



25.1748, 0.2907, 0.2474

# 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.



40.9180, 0.3392, 0.2809



40.9180, 0.3291, 0.4128



40.9180, 0.2514, 0.2525

# Square

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



40.9180, 0.3291, 0.4128



40.9180, 0.2271, 0.2947



40.9180, 0.2907, 0.2590



40.9180, 0.4067, 0.3517



# Rectangle

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



40.9180, 0.3291, 0.4128



40.9180, 0.2563, 0.3558



40.9180, 0.2907, 0.2590



40.9180, 0.3699, 0.3019

# Sweetspot

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



40.9198, 0.3291, 0.4128



79.6309, 0.3178, 0.3517



35.3307, 0.3680, 0.3739



17.1105, 0.3186, 0.3554



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.



40.9198, 0.3291, 0.4128



71.6339, 0.3320, 0.4330



38.9875, 0.3058, 0.4121



9.6622, 0.3179, 0.3521



23.9259, 0.3284, 0.5774



0.7875, 0.3517, 0.5590



# Inverse Universe

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



25.1748, 0.2907, 0.2474



39.0157, 0.2845, 0.2283



27.6790, 0.3202, 0.2580



8.4618, 0.3072, 0.3061



4.3468, 0.2183, 0.0976



0.1704, 0.2469, 0.1134



# Previews

## White Background



This preview shows how the Yxy color 40.9180, 0.3291, 0.4128 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 40.9180, 0.3291, 0.4128 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

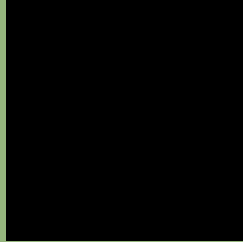
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.9180, 0.3291, 0.4128**

## Background



This preview shows how black text looks on a background with the Yxy color 40.9180, 0.3291, 0.4128.



This preview shows how white text looks on a background with the Yxy color 40.9180, 0.3291, 0.4128.

# 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

40.9180, 0.3291, 0.4128

### Protanopia

40.6966, 0.3688, 0.3973

### Deuteranopia

40.5534, 0.3816, 0.3745



## Tritanopia

40.7441, 0.2888, 0.3095

# Trichromacy



**Original Color**

40.9180, 0.3291, 0.4128

**Protanomaly**

40.7230, 0.3537, 0.4042

**Deuteranomaly**

40.2530, 0.3611, 0.3869

**Tritanomaly**

40.6996, 0.3041, 0.3463

# Monochromacy



**Original Color**

40.9180, 0.3291, 0.4128

**Achromatopsia**

37.6262, 0.3127, 0.3290

**Achromatomaly**

38.6988, 0.3195, 0.3597

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.9180, 0.3291, 0.4128 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(149, 181, 125)` looks like.

```
.text, #text, p{  
    color:rgb(149, 181, 125)  
}
```

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(149, 181, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 181, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 40.9180, 0.3291, 0.4128 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(149, 181, 125) }
```

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

```
.border{ border-color:rgb(149, 181, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 181, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 181, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 181, 125);  
box-shadow:4px 4px 4px 4px rgb(149, 181,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.9180, 0.3291, 0.4128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 181, 125) }
```

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

```
.background{ background-color: rgb(149,  
181, 125) }
```

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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