

# Converting Colors

$Yxy(41.7781, 0.3341, 0.4082)$

Have a look what the booklet for  
Yxy(41.7781, 0.3341, 0.4082)  
contains.

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# Color

**Yxy(41.6480, 0.3339, 0.4082)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CB57F
RGB	156, 181, 127
RGB Percent	61%, 71%, 50%
CMY	0.3881, 0.2902, 0.5021
CMYK	0.14, 0.00, 0.30, 0.29
HSL	88°, 27%, 60%
HSV	88°, 30%, 71%
XYZ	34.0673, 41.6480, 26.3131
YIQ	167.3690, 2.4340, -22.0940

# Conversions

## Conversions Part 2

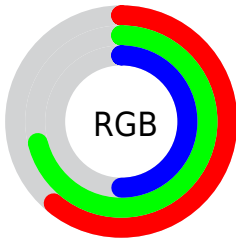
Format	Color
<b>RYB</b>	127, 181, 152
Decimal	10270079
CIELab	70.63, -18.22, 24.78
CIELCh	71, 30.762, 126.331
Yxy	41.6480, 0.3339, 0.4082
Android (android.graphics.Color)	4288460159 (0xFF9CB57F)
YUV	167.3690, -19.9019, -9.9706
Hunter-Lab	64.5353, -18.7090, 21.0002

# Details

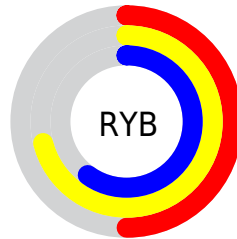
The Yxy color **41.6480, 0.3339, 0.4082** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **25.1792, 0.2855, 0.2491**, and the grayscale version is **38.9330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7125, 0.3305, 0.3928**, and **18.9172, 0.3389, 0.4341** is the 20% darker color. If you saturate the color by 10%, you get **40.4132, 0.3401, 0.4373**, and if you desaturate by 10%, it is **43.0287, 0.3270, 0.3800**.

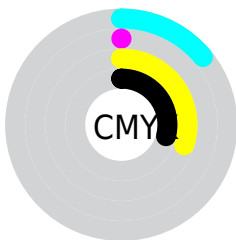
# Distribution



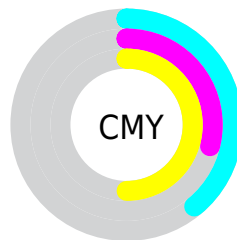
- Red (61%)
- Green (71%)
- Blue (50%)



- Red (50%)
- Yellow (71%)
- Blue (60%)



- Cyan (14%)
- Magenta (0%)
- Yellow (30%)
- Black (29%)




- Cyan (39%)
- Magenta (29%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6480, 0.3339, 0.4082 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 41.6480, 0.3339, 0.4082 by changing the saturation by 10% instead.




 41.6480, 0.3339,  
0.4082


 41.6480, 0.3339,  
0.4082


353.0217, 0.3240,  
0.3666


 28.8258, 0.3361,  
0.4192


 77.6666, 0.3305,  
0.3926

 18.9491, 0.3386,  
0.4337


 101.6318, 0.3292,  
0.3869

 11.6335, 0.3415,  
0.4534


 130.0800, 0.3280,  
0.3821

 6.4946, 0.3444,  
0.4819

163.3958, 0.3270,  
0.3781

 3.1481, 0.3467,  
0.5271

201.9634, 0.3261,  
0.3746

 1.2095, 0.3576,  
0.6424

246.1674, 0.3253,

 0.0695, 0.0000,

0.3716

1.0000

296.3920, 0.3246,  
0.3689

■ 0.0000, 0.0000,  
0.0000

■ 41.6480, 0.3339,  
0.4082

■ 41.6480, 0.3339,  
0.4082

■ 40.4132, 0.3401,  
0.4373

■ 43.0287, 0.3270,  
0.3800

■ 39.3132, 0.3451,  
0.4663

■ 44.5552, 0.3199,  
0.3534

■ 38.3437, 0.3486,  
0.4939


■ 46.2343, 0.3126,  
0.3286

■ 37.4978, 0.3502,  
0.5188

■ 48.0708, 0.3055,  
0.3061


■ 36.7681, 0.3495,  
0.5397


■ 50.0691, 0.2987,  
0.2856

 36.1459, 0.3466,  
0.5554


 52.2336, 0.2922,  
0.2672

 35.6148, 0.3421,  
0.5665

 54.5685, 0.2862,  
0.2508

 35.6071, 0.3420,  
0.5667

 55.9496, 0.2915,  
0.2510

 57.3114, 0.2979,  
0.2524

# Harmonies

## Analogous

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



41.6480, 0.3740, 0.4044



41.6480, 0.3339, 0.4082



41.6480, 0.2898, 0.3859

# Triad

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



41.6480, 0.3339, 0.4082



41.6480, 0.2330, 0.2712



41.6480, 0.3738, 0.3106

# Complementary

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



41.6480, 0.3339, 0.4082



25.1792, 0.2855, 0.2491

# 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.



41.6480, 0.3317, 0.2806



41.6480, 0.3339, 0.4082



41.6480, 0.2517, 0.2577

# Square

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



41.6480, 0.3339, 0.4082



41.6480, 0.2336, 0.3020



41.6480, 0.2869, 0.2616



41.6480, 0.3989, 0.3461



# Rectangle

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



41.6480, 0.3339, 0.4082



41.6480, 0.2642, 0.3596



41.6480, 0.2869, 0.2616



41.6480, 0.3610, 0.2997

# Sweetspot

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



41.6498, 0.3339, 0.4082



79.9985, 0.3193, 0.3516



33.5810, 0.3682, 0.3637



17.2015, 0.3204, 0.3553



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.



41.6498, 0.3339, 0.4082



73.0712, 0.3382, 0.4278



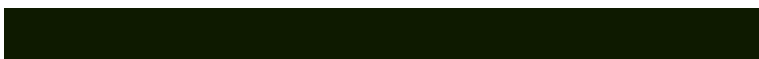
39.2996, 0.3109, 0.4141



9.7076, 0.3195, 0.3520



24.5886, 0.3428, 0.5660



0.8079, 0.3638, 0.5493



# Inverse Universe

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



25.1792, 0.2855, 0.2491



38.6763, 0.2777, 0.2290



28.0090, 0.3132, 0.2554



8.4162, 0.3055, 0.3060



3.6292, 0.1966, 0.0857



0.1490, 0.2292, 0.1036



# Previews

## White Background



This preview shows how the Yxy color 41.6480, 0.3339, 0.4082 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 41.6480, 0.3339, 0.4082 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

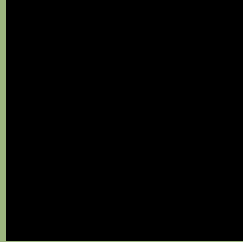
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.6480, 0.3339, 0.4082**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.6480, 0.3339, 0.4082.



This preview shows how white text looks on a background with the Yxy color 41.6480, 0.3339, 0.4082.

# 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

41.6480, 0.3339, 0.4082

### Protanopia

41.3742, 0.3687, 0.3954

### Deuteranopia

41.2185, 0.3822, 0.3741



## Tritanopia

41.4743, 0.2946, 0.3099

# Trichromacy



**Original Color**

41.6480, 0.3339, 0.4082

**Protanomaly**

41.2291, 0.3559, 0.4004

**Deuteranomaly**

41.1499, 0.3638, 0.3860

**Tritanomaly**

41.4487, 0.3094, 0.3445

# Monochromacy



**Original Color**

41.6480, 0.3339, 0.4082

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

39.5586, 0.3213, 0.3578

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.6480, 0.3339, 0.4082 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(156, 181, 127)` looks like.

```
.text, #text, p{  
    color:rgb(156, 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(156, 181, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 181, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 41.6480, 0.3339, 0.4082 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(156, 181, 127) }
```

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

```
.border{ border-color:rgb(156, 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(156, 181, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 181, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 181, 127);  
box-shadow:4px 4px 4px 4px rgb(156, 181,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.6480, 0.3339, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 181, 127) }
```

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

```
.background{ background-color: rgb(156,  
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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