

# Converting Colors

Yxy(47.2034, 0.3140, 0.3816)

Have a look what the booklet for  
Yxy(47.2034, 0.3140, 0.3816)  
contains.

<b>Yxy(47.4033, 0.3142, 0.3821)</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

**Yxy(47.4033, 0.3142, 0.3821)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FC09A
RGB	159, 192, 154
RGB Percent	62%, 75%, 60%
CMY	0.3765, 0.2470, 0.3960
CMYK	0.17, 0.00, 0.20, 0.25
HSL	112°, 23%, 68%
HSV	112°, 20%, 75%
XYZ	38.9796, 47.4033, 37.6770
YIQ	177.8010, -7.4700, -18.8140

# Conversions

## Conversions Part 2

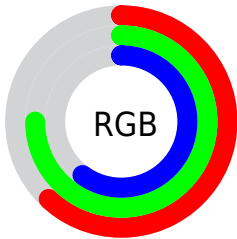
Format	Color
<a href="#">RYB</a>	<a href="#">154, 192, 187</a>
Decimal	<a href="#">10469530</a>
CIELab	<a href="#">74.45, -18.38, 15.53</a>
CIELCh	<a href="#">74, 24.061, 139.796</a>
Yxy	<a href="#">47.4033, 0.3142, 0.3821</a>
Android (android.graphics.Color)	<a href="#">4288659610</a> ( <a href="#">0xFF9FC09A</a> )
YUV	<a href="#">177.8010, -11.7339, -16.4885</a>
Hunter-Lab	<a href="#">68.8501, -19.4294, 15.7496</a>

# Details

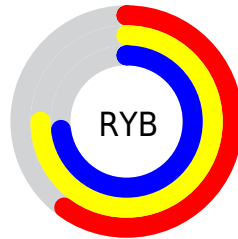
The Yxy color **47.4033, 0.3142, 0.3821** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.4957, 0.3103, 0.2798**, and the grayscale version is **44.4767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9850, 0.3145, 0.3721**, and **22.2820, 0.3138, 0.3973** is the 20% darker color. If you saturate the color by 10%, you get **45.2230, 0.3146, 0.4133**, and if you desaturate by 10%, it is **49.9205, 0.3135, 0.3537**.

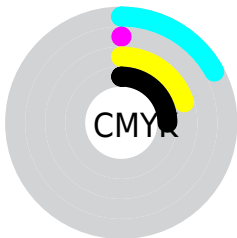
# Distribution



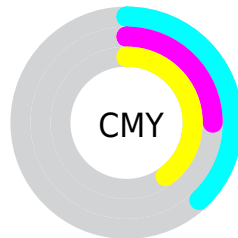
- Red (62%)
- Green (75%)
- Blue (60%)



- Red (60%)
- Yellow (75%)
- Blue (73%)



- Cyan (17%)
- Magenta (0%)
- Yellow (20%)
- Black (25%)




- Cyan (38%)
- Magenta (25%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4033, 0.3142, 0.3821 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 47.4033, 0.3142, 0.3821 by changing the saturation by 10% instead.





 47.4033, 0.3142,  
0.3821

 47.4033, 0.3142,  
0.3821


376.4220, 0.3139,  
0.3548

 33.3546, 0.3141,  
0.3892


 86.3153, 0.3142,  
0.3720

 22.3982, 0.3139,  
0.3983


 111.9474, 0.3142,  
0.3683

 14.1498, 0.3135,  
0.4108


142.2094, 0.3141,  
0.3651

 8.2249, 0.3126,  
0.4287

177.4857, 0.3141,  
0.3625

 4.2392, 0.3105,  
0.4562

218.1608, 0.3140,  
0.3601

 1.8083, 0.3073,  
0.5084

264.6189, 0.3140,

 0.4923, 0.0378,

0.3581

0.9622

317.2445, 0.3139,  
0.3564

0.0000, 0.0000,  
0.0000

47.4033, 0.3142,  
0.3821

47.4033, 0.3142,  
0.3821

45.2230, 0.3146,  
0.4133

49.9205, 0.3135,  
0.3537

43.3595, 0.3145,  
0.4468

52.7816, 0.3127,  
0.3285

41.7997, 0.3140,  
0.4811

56.0012, 0.3117,  
0.3063

40.5273, 0.3128,  
0.5147

59.5911, 0.3107,  
0.2869

39.5247, 0.3110,  
0.5450

63.5626, 0.3097,  
0.2701

■ 38.7719, 0.3087,  
0.5697

■ 66.1820, 0.3156,  
0.2673

■ 38.2463, 0.3059,  
0.5870

■ 37.9153, 0.3034,  
0.5971

■ 37.9097, 0.3034,  
0.5973

# Harmonies

## Analogous

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



47.4033, 0.3468, 0.3888



47.4033, 0.3142, 0.3821



47.4033, 0.2823, 0.3585

# Triad

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



47.4033, 0.3142, 0.3821



47.4033, 0.2566, 0.2790



47.4033, 0.3688, 0.3276

# Complementary

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



47.4033, 0.3142, 0.3821



37.4957, 0.3103, 0.2798

# 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.



47.4033, 0.3422, 0.3017



47.4033, 0.3142, 0.3821



47.4033, 0.2773, 0.2742

# Square

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



47.4033, 0.3142, 0.3821



47.4033, 0.2502, 0.2974



47.4033, 0.3084, 0.2826



47.4033, 0.3795, 0.3551



# Rectangle

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



47.4033, 0.3142, 0.3821



47.4033, 0.2656, 0.3374



47.4033, 0.3084, 0.2826



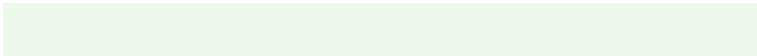
47.4033, 0.3614, 0.3185

# Sweetspot

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



47.4053, 0.3142, 0.3821



92.2830, 0.3132, 0.3441



49.0572, 0.3433, 0.3715



19.7262, 0.3133, 0.3458



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

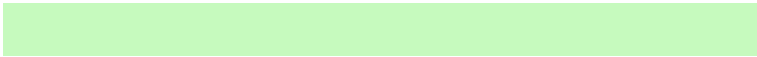


# Same Dimension

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



47.4053, 0.3142, 0.3821



83.9963, 0.3144, 0.3961



47.3997, 0.3002, 0.3625



11.3205, 0.3135, 0.3527



25.5268, 0.3038, 0.5970



1.1240, 0.3151, 0.5880



# Inverse Universe

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



37.4957, 0.3103, 0.2798



62.5788, 0.3096, 0.2680



37.5440, 0.3278, 0.2977



10.1787, 0.3117, 0.3062



8.1074, 0.2885, 0.1363



0.3692, 0.2962, 0.1405



# Previews

## White Background



This preview shows how the Yxy color 47.4033, 0.3142, 0.3821 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

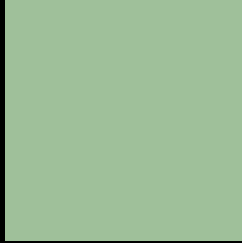
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.4033, 0.3142, 0.3821 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 47.4033, 0.3142, 0.3821**

## Background



This preview shows how black text looks on a background with the Yxy color 47.4033, 0.3142, 0.3821.

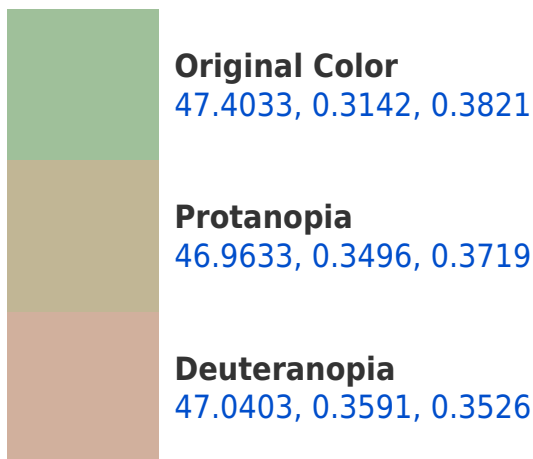


This preview shows how white text looks on a background with the Yxy color 47.4033, 0.3142, 0.3821.

# 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

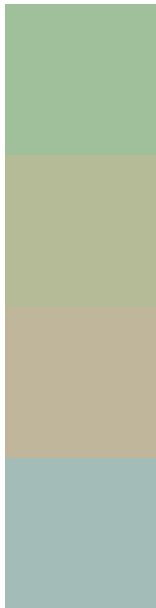




## Tritanopia

47.5034, 0.2872, 0.3106

# Trichromacy



**Original Color**

47.4033, 0.3142, 0.3821

**Protanomaly**

47.1759, 0.3362, 0.3758

**Deuteranomaly**

46.9326, 0.3419, 0.3629

**Tritanomaly**

47.2778, 0.2971, 0.3357

# Monochromacy



**Original Color**

47.4033, 0.3142, 0.3821

**Achromatopsia**

44.5201, 0.3127, 0.3290

**Achromatomaly**

45.3895, 0.3135, 0.3480

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.4033, 0.3142, 0.3821 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(159, 192, 154)` looks like.

```
.text, #text, p{  
    color:rgb(159, 192, 154)  
}
```

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(159, 192, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 192, 154) }
```

## Border

The CSS property to change the border of an element to Yxy 47.4033, 0.3142, 0.3821 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(159, 192, 154) }
```

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

```
.border{ border-color:rgb(159, 192, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 192, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 192, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 192, 154); box-shadow:4px 4px 4px 4px rgb(159, 192, 154) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.4033, 0.3142, 0.3821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 192, 154) }
```

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

```
.background{ background-color: rgb(159,  
192, 154) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor