

# Converting Colors

$Yxy(46.8372, 0.3112, 0.3789)$

Have a look what the booklet for  
Yxy(46.8372, 0.3112, 0.3789)  
contains.

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# Color

**Yxy(46.8300, 0.3112, 0.3782)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DBF9C
RGB	157, 191, 156
RGB Percent	62%, 75%, 61%
CMY	0.3844, 0.2509, 0.3882
CMYK	0.18, 0.00, 0.18, 0.25
HSL	118°, 21%, 68%
HSV	118°, 18%, 75%
XYZ	38.5338, 46.8300, 38.4595
YIQ	176.8440, -9.0290, -18.0930

# Conversions

## Conversions Part 2

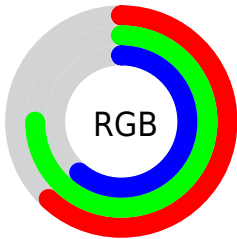
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 191, 190
Decimal	10338204
CIELab	74.08, -18.22, 13.94
CIElCh	74, 22.938, 142.591
Yxy	46.8300, 0.3112, 0.3782
Android (android.graphics.Color)	4288528284 (0xFF9DBF9C)
YUV	176.8440, -10.2761, -17.4032
Hunter-Lab	68.4324, -19.2447, 14.5813

# Details

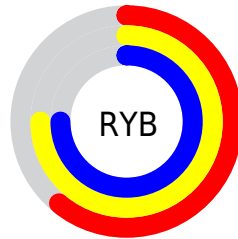
The Yxy color **46.8300, 0.3112, 0.3782** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.4884, 0.3139, 0.2840**, and the grayscale version is **43.9383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2217, 0.3115, 0.3679**, and **21.9145, 0.3098, 0.3919** is the 20% darker color. If you saturate the color by 10%, you get **44.5077, 0.3101, 0.4097**, and if you desaturate by 10%, it is **49.5417, 0.3121, 0.3500**.

# Distribution



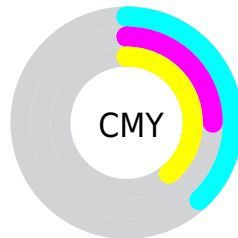
- Red (62%)
- Green (75%)
- Blue (61%)



- Red (61%)
- Yellow (75%)
- Blue (75%)



- Cyan (18%)
- Magenta (0%)
- Yellow (18%)
- Black (25%)



- Cyan (38%)
- Magenta (25%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8300, 0.3112, 0.3782 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 46.8300, 0.3112, 0.3782 by changing the saturation by 10% instead.





 46.8300, 0.3112,  
0.3782


 46.8300, 0.3112,  
0.3782


374.1356, 0.3123,  
0.3529

 32.9013, 0.3108,  
0.3848


 85.4598, 0.3117,  
0.3688

 22.0508, 0.3102,  
0.3933


 110.9297, 0.3119,  
0.3654

 13.8943, 0.3092,  
0.4049


141.0154, 0.3120,  
0.3624

 8.0472, 0.3076,  
0.4216

176.1014, 0.3121,  
0.3600

 4.1251, 0.3045,  
0.4476

216.5720, 0.3122,  
0.3578

 1.7438, 0.2990,  
0.4955

262.8116, 0.3122,

 0.4518, 0.0000,

0.3560

1.0000

315.2047, 0.3123,  
0.3543

0.0000, 0.0000,  
0.0000

46.8300, 0.3112,  
0.3782

46.8300, 0.3112,  
0.3782

44.5077, 0.3101,  
0.4097

49.5417, 0.3121,  
0.3500

42.5514, 0.3088,  
0.4437

52.6531, 0.3128,  
0.3251

40.9441, 0.3074,  
0.4791

56.1817, 0.3134,  
0.3034

39.6653, 0.3058,  
0.5138

60.1422, 0.3139,  
0.2848

38.6924, 0.3042,  
0.5453

64.5485, 0.3142,  
0.2687

■ 37.9998, 0.3027,  
0.5709

■ 65.7450, 0.3157,  
0.2663

■ 37.5578, 0.3015,  
0.5887

■ 37.3268, 0.3006,  
0.5983

■ 37.2998, 0.3006,  
0.5995

# Harmonies

## Analogous

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



46.8300, 0.3427, 0.3863



46.8300, 0.3112, 0.3782



46.8300, 0.2811, 0.3545

# Triad

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



46.8300, 0.3112, 0.3782



46.8300, 0.2602, 0.2801



46.8300, 0.3681, 0.3302

# Complementary

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



46.8300, 0.3112, 0.3782



38.4884, 0.3139, 0.2840

# 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.



46.8300, 0.3438, 0.3049



46.8300, 0.3112, 0.3782



46.8300, 0.2813, 0.2767

# Square

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



46.8300, 0.3112, 0.3782



46.8300, 0.2527, 0.2967



46.8300, 0.3116, 0.2857



46.8300, 0.3766, 0.3565



# Rectangle

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



46.8300, 0.3112, 0.3782



46.8300, 0.2658, 0.3341



46.8300, 0.3116, 0.2857



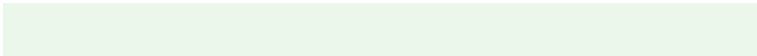
46.8300, 0.3614, 0.3214

# Sweetspot

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



46.8320, 0.3112, 0.3782



90.4515, 0.3124, 0.3415



50.2357, 0.3402, 0.3726



19.7777, 0.3123, 0.3433



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

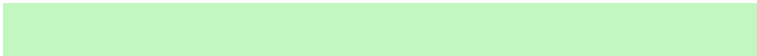


# Same Dimension

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



46.8320, 0.3112, 0.3782



82.1143, 0.3108, 0.3905



47.3244, 0.2986, 0.3548



10.6621, 0.3120, 0.3527



24.5166, 0.3007, 0.5994



0.9648, 0.3036, 0.5972



# Inverse Universe

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



38.4884, 0.3139, 0.2840



64.4069, 0.3141, 0.2740



37.9362, 0.3298, 0.3046



9.6822, 0.3133, 0.3064



9.3071, 0.3140, 0.1503



0.3689, 0.3157, 0.1513



# Previews

## White Background



This preview shows how the Yxy color 46.8300, 0.3112, 0.3782 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 46.8300, 0.3112, 0.3782 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

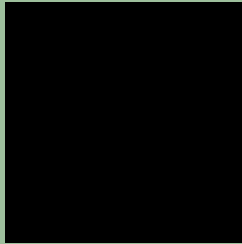
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.8300, 0.3112, 0.3782**

## Background



This preview shows how black text looks on a background with the Yxy color 46.8300, 0.3112, 0.3782.

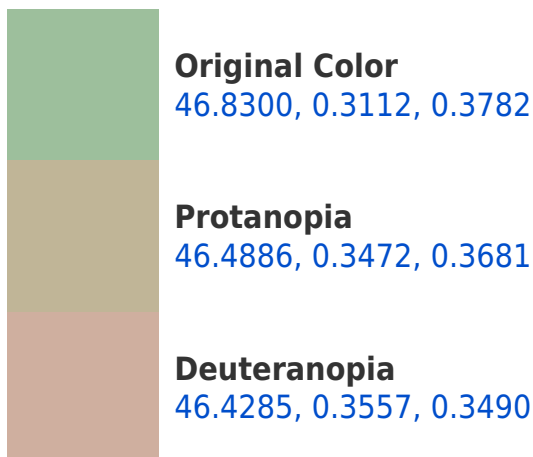


This preview shows how white text looks on a background with the Yxy color 46.8300, 0.3112, 0.3782.

# 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

46.7606, 0.2849, 0.3092

# Trichromacy



## Original Color

46.8300, 0.3112, 0.3782

## Protanomaly

46.5815, 0.3330, 0.3721

## Deuteranomaly

46.3352, 0.3386, 0.3592

## Tritanomaly

46.5784, 0.2940, 0.3330

# Monochromacy



## Original Color

46.8300, 0.3112, 0.3782

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

44.8665, 0.3127, 0.3467

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.8300, 0.3112, 0.3782 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(157, 191, 156)` looks like.

```
.text, #text, p{  
    color:rgb(157, 191, 156)  
}
```

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(157, 191, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 191, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 46.8300, 0.3112, 0.3782 is called "border". The border property can be set on classes, ids or directly on the HTML element.

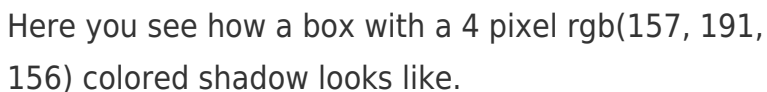
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 191, 156) }
```

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

```
.border{ border-color:rgb(157, 191, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 191, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 191, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 191, 156); box-shadow:4px 4px 4px 4px rgb(157, 191, 156) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.8300, 0.3112, 0.3782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 191, 156) }
```

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

```
.background{ background-color: rgb(157,  
191, 156) }
```

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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