

# Converting Colors

$Yxy(41.8522, 0.3238, 0.3585)$

Have a look what the booklet for  
Yxy(41.8522, 0.3238, 0.3585)  
contains.

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# Color

**Yxy(41.8522, 0.3238, 0.3585)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9B09B
RGB	169, 176, 155
RGB Percent	66%, 69%, 61%
CMY	0.3373, 0.3098, 0.3922
CMYK	0.04, 0.00, 0.12, 0.31
HSL	80°, 12%, 65%
HSV	80°, 12%, 69%
XYZ	37.8012, 41.8522, 37.0891
YIQ	171.5130, 2.5690, -8.0150

# Conversions

## Conversions Part 2

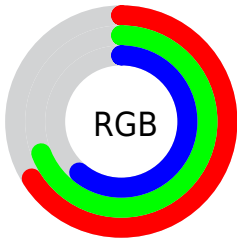
Format	Color
<b>RYB</b>	155, 176, 162
Decimal	11120795
CIELab	70.77, -6.30, 9.92
CIELCh	71, 11.758, 122.427
Yxy	41.8522, 0.3238, 0.3585
Android (android.graphics.Color)	4289310875 (0xFFA9B09B)
YUV	171.5130, -8.1409, -2.2039
Hunter-Lab	64.6933, -8.9131, 11.2939

# Details

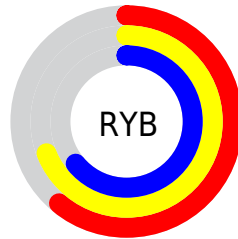
The Yxy color  $41.8522, 0.3238, 0.3585$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $34.2543, 0.3007, 0.2989$ , and the grayscale version is  $41.0367, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $78.1640, 0.3218, 0.3538$ , and  $19.1967, 0.3268, 0.3682$  is the 20% darker color. If you saturate the color by 10%, you get  $40.6699, 0.3331, 0.3849$ , and if you desaturate by 10%, it is  $43.1535, 0.3145, 0.3336$ .

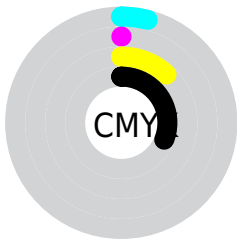
# Distribution



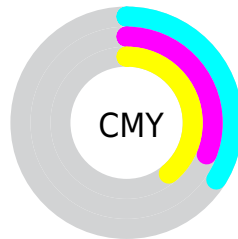
- Red (66%)
- Green (69%)
- Blue (61%)



- Red (61%)
- Yellow (69%)
- Blue (64%)



- Cyan (4%)
- Magenta (0%)
- Yellow (12%)
- Black (31%)




- Cyan (34%)
- Magenta (31%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8522, 0.3238, 0.3585 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 41.8522, 0.3238, 0.3585 by changing the saturation by 10% instead.





 41.8522, 0.3238,  
0.3585

 41.8522, 0.3238,  
0.3585

353.8699, 0.3183,  
0.3433

 28.9856, 0.3252,  
0.3625


 77.9759, 0.3218,  
0.3529

 19.0699, 0.3270,  
0.3676


 102.0017, 0.3210,  
0.3508

 11.7208, 0.3293,  
0.3747


130.5161, 0.3204,  
0.3490

 6.5539, 0.3325,  
0.3849

163.9034, 0.3198,  
0.3475

 3.1847, 0.3373,  
0.4008

202.5481, 0.3194,  
0.3463

 1.2289, 0.3499,  
0.4358

246.8344, 0.3190,

 0.0851, 0.0000,

0.3451

1.0000

297.1469, 0.3186,  
0.3442

0.0000, 0.0000,  
0.0000

41.8522, 0.3238,  
0.3585

41.8522, 0.3238,  
0.3585

40.6699, 0.3331,  
0.3849

43.1535, 0.3145,  
0.3336

39.5971, 0.3420,  
0.4122

44.5723, 0.3054,  
0.3106

38.6313, 0.3502,  
0.4397

46.1140, 0.2967,  
0.2894

37.7677, 0.3572,  
0.4665

47.7821, 0.2886,  
0.2702

37.0011, 0.3624,  
0.4914

49.5799, 0.2809,  
0.2528

■ 36.3260, 0.3655,  
0.5131

■ 51.1454, 0.2774,  
0.2423

■ 35.7359, 0.3662,  
0.5306

■ 51.9926, 0.2817,  
0.2434

■ 35.2231, 0.3645,  
0.5433

■ 52.8715, 0.2861,  
0.2444

■ 34.8538, 0.3619,  
0.5509

■ 53.7823, 0.2906,  
0.2455

# Harmonies

## Analogous

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



41.8522, 0.3383, 0.3573



41.8522, 0.3238, 0.3585



41.8522, 0.3067, 0.3512

# Triad

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



41.8522, 0.3238, 0.3585



41.8522, 0.2805, 0.3084



41.8522, 0.3342, 0.3204

# Complementary

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



41.8522, 0.3238, 0.3585



34.2543, 0.3007, 0.2989

# 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.



41.8522, 0.3182, 0.3082



41.8522, 0.3238, 0.3585



41.8522, 0.2874, 0.3012

# Square

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



41.8522, 0.3238, 0.3585



41.8522, 0.2820, 0.3216



41.8522, 0.3010, 0.3012



41.8522, 0.3444, 0.3350



# Rectangle

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



41.8522, 0.3238, 0.3585



41.8522, 0.2960, 0.3425



41.8522, 0.3010, 0.3012



41.8522, 0.3293, 0.3159

# Sweetspot

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



41.8540, 0.3238, 0.3585



77.7393, 0.3165, 0.3388



37.4353, 0.3326, 0.3389



16.8087, 0.3172, 0.3406



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

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



41.8540, 0.3238, 0.3585



75.3892, 0.3259, 0.3645



40.7388, 0.3144, 0.3594



9.7618, 0.3214, 0.3518



25.6032, 0.3625, 0.5504



0.8359, 0.3789, 0.5374



# Inverse Universe

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



34.2543, 0.3007, 0.2989



59.2095, 0.2981, 0.2927



35.4005, 0.3107, 0.2999



8.3634, 0.3035, 0.3058



3.0055, 0.1759, 0.0743



0.1273, 0.2095, 0.0927



# Previews

## White Background



This preview shows how the Yxy color 41.8522, 0.3238, 0.3585 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

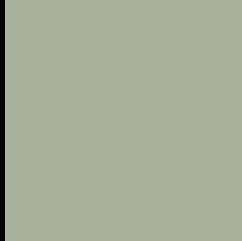
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.8522, 0.3238, 0.3585 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

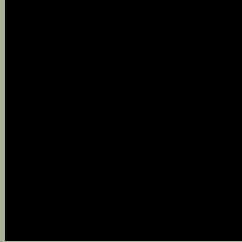
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

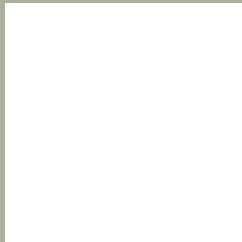
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.8522, 0.3238, 0.3585**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.8522, 0.3238, 0.3585.



This preview shows how white text looks on a background with the Yxy color 41.8522, 0.3238, 0.3585.

# 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

41.8522, 0.3238, 0.3585

### Protanopia

41.6287, 0.3373, 0.3550

### Deuteranopia

41.8075, 0.3492, 0.3421



## Tritanopia

41.8921, 0.3030, 0.3115

# Trichromacy



**Original Color**

41.8522, 0.3238, 0.3585

**Protanomaly**

41.5673, 0.3325, 0.3552

**Deuteranomaly**

41.5889, 0.3398, 0.3479

**Tritanomaly**

41.7138, 0.3110, 0.3276

# Monochromacy



**Original Color**

41.8522, 0.3238, 0.3585

**Achromatopsia**

41.2543, 0.3127, 0.3290

**Achromatomaly**

41.2982, 0.3167, 0.3387

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.8522, 0.3238, 0.3585 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(169, 176, 155)` looks like.

```
.text, #text, p{  
    color:rgb(169, 176, 155)  
}
```

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(169, 176, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 176, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 41.8522, 0.3238, 0.3585 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(169, 176, 155) }
```

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

```
.border{ border-color:rgb(169, 176, 155) }
```

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

Here you see how a box with a 4 pixel rgb(169, 176, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 176, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 176, 155);  
box-shadow:4px 4px 4px 4px rgb(169, 176,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.8522, 0.3238, 0.3585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 176, 155) }
```

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

```
.background{ background-color: rgb(169,  
176, 155) }
```

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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