

# Converting Colors

$Yxy(46.7426, 0.3447, 0.4188)$

Have a look what the booklet for  
Yxy(46.7426, 0.3447, 0.4188)  
contains.

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# Color

**Yxy(46.7426, 0.3447, 0.4188)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9BE7D
RGB	169, 190, 125
RGB Percent	66%, 75%, 49%
CMY	0.3374, 0.2549, 0.5098
CMYK	0.11, 0.00, 0.34, 0.25
HSL	79°, 33%, 62%
HSV	79°, 34%, 75%
XYZ	38.4722, 46.7426, 26.3960
YIQ	176.3110, 8.3490, -24.6670

# Conversions

## Conversions Part 2

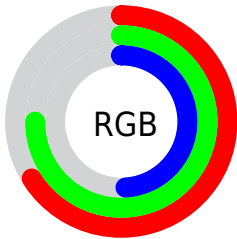
Format	Color
<b>RYB</b>	125, 190, 146
Decimal	11124349
CIELab	74.02, -18.18, 30.51
CIELCh	74, 35.513, 120.785
Yxy	46.7426, 0.3447, 0.4188
Android (android.graphics.Color)	4289314429 (0xFFA9BE7D)
YUV	176.3110, -25.2963, -6.4117
Hunter-Lab	68.3686, -19.1998, 24.9671

# Details

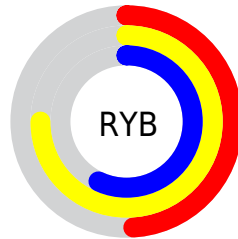
The Yxy color **46.7426, 0.3447, 0.4188** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **24.5005, 0.2715, 0.2335**, and the grayscale version is **43.7166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1334, 0.3399, 0.4017**, and **22.1123, 0.3516, 0.4464** is the 20% darker color. If you saturate the color by 10%, you get **45.6404, 0.3528, 0.4463**, and if you desaturate by 10%, it is **47.9739, 0.3357, 0.3913**.

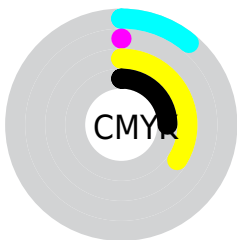
# Distribution



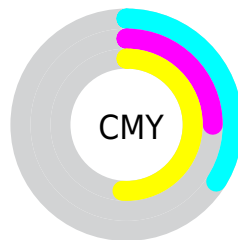
- Red (66%)
- Green (75%)
- Blue (49%)



- Red (49%)
- Yellow (75%)
- Blue (57%)



- Cyan (11%)
- Magenta (0%)
- Yellow (34%)
- Black (25%)




- Cyan (34%)
- Magenta (25%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7426, 0.3447, 0.4188 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 46.7426, 0.3447, 0.4188 by changing the saturation by 10% instead.





 46.7426, 0.3447,  
0.4188

 46.7426, 0.3447,  
0.4188

373.7862, 0.3299,  
0.3726


 32.8322, 0.3479,  
0.4306


 85.3293, 0.3397,  
0.4018

 21.9979, 0.3517,  
0.4458


 110.7744, 0.3377,  
0.3955

 13.8554, 0.3560,  
0.4660


 140.8331, 0.3359,  
0.3902

 8.0202, 0.3606,  
0.4941

175.8900, 0.3344,  
0.3856

 4.1078, 0.3647,  
0.5358

216.3293, 0.3331,  
0.3817

 1.7341, 0.3764,  
0.6236

262.5355, 0.3319,

 0.4456, 0.0000,

0.3783

1.0000

314.8930, 0.3308,  
0.3753

0.0000, 0.0000,  
0.0000

46.7426, 0.3447,  
0.4188

46.7426, 0.3447,  
0.4188

45.6404, 0.3528,  
0.4463

47.9739, 0.3357,  
0.3913

44.6552, 0.3596,  
0.4727

49.3333, 0.3262,  
0.3645

43.7830, 0.3646,  
0.4967

50.8279, 0.3167,  
0.3392


43.0165, 0.3672,  
0.5173


52.4623, 0.3073,  
0.3156


42.3479, 0.3674,  
0.5335

54.2411, 0.2984,  
0.2938

 41.7674, 0.3652,  
0.5448

 56.1683, 0.2899,  
0.2740

 41.4611, 0.3633,  
0.5498

 58.0528, 0.2839,  
0.2590

 58.9845, 0.2883,  
0.2599

 59.9514, 0.2928,  
0.2608

# Harmonies

## Analogous

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



46.7426, 0.3871, 0.4088



46.7426, 0.3447, 0.4188



46.7426, 0.2957, 0.3994

# Triad

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



46.7426, 0.3447, 0.4188



46.7426, 0.2234, 0.2696



46.7426, 0.3729, 0.3017

# Complementary

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



46.7426, 0.3447, 0.4188



24.5005, 0.2715, 0.2335

# 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.



46.7426, 0.3241, 0.2708



46.7426, 0.3447, 0.4188



46.7426, 0.2401, 0.2516

# Square

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



46.7426, 0.3447, 0.4188



46.7426, 0.2280, 0.3066



46.7426, 0.2756, 0.2528



46.7426, 0.4054, 0.3399



# Rectangle

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



46.7426, 0.3447, 0.4188



46.7426, 0.2661, 0.3719



46.7426, 0.2756, 0.2528



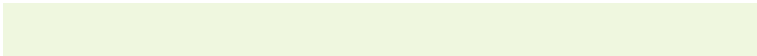
46.7426, 0.3576, 0.2903

# Sweetspot

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



46.7447, 0.3447, 0.4188



90.4534, 0.3224, 0.3541



32.8603, 0.3825, 0.3575



19.7794, 0.3237, 0.3577



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.



46.7447, 0.3447, 0.4188



83.1842, 0.3509, 0.4393



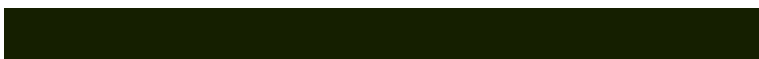
43.6246, 0.3174, 0.4270



10.9615, 0.3216, 0.3520



27.6090, 0.3640, 0.5492



1.1153, 0.3777, 0.5383



# Inverse Universe

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



24.5005, 0.2715, 0.2335



36.8307, 0.2602, 0.2099



27.8616, 0.3041, 0.2420



9.3713, 0.3033, 0.3056



3.1804, 0.1743, 0.0734



0.1607, 0.2025, 0.0889



# Previews

## White Background



This preview shows how the Yxy color 46.7426, 0.3447, 0.4188 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 46.7426, 0.3447, 0.4188 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 46.7426, 0.3447, 0.4188**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.7426, 0.3447, 0.4188.



This preview shows how white text looks on a background with the Yxy color 46.7426, 0.3447, 0.4188.

# 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

46.7426, 0.3447, 0.4188

### Protanopia

46.7314, 0.3757, 0.4058

### Deuteranopia

46.4295, 0.3924, 0.3848



## Tritanopia

46.6170, 0.2994, 0.3097

# Trichromacy



## Original Color

46.7426, 0.3447, 0.4188

## Protanomaly

46.6928, 0.3643, 0.4107

## Deuteranomaly

46.3169, 0.3744, 0.3968

## Tritanomaly

46.2972, 0.3161, 0.3478

# Monochromacy



## Original Color

46.7426, 0.3447, 0.4188

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

44.3663, 0.3251, 0.3620

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.7426, 0.3447, 0.4188 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, 190, 125)` looks like.

```
.text, #text, p{  
    color:rgb(169, 190, 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(169, 190, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 190, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 46.7426, 0.3447, 0.4188 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, 190, 125) }
```

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

```
.border{ border-color:rgb(169, 190, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 190, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 190, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 190, 125);  
box-shadow:4px 4px 4px 4px rgb(169, 190,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.7426, 0.3447, 0.4188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 190, 125) }
```

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

```
.background{ background-color: rgb(169,  
190, 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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