

# Converting Colors

$Y_{xy}(46.2780, 0.3823, 0.4200)$

Have a look what the booklet for  
Yxy(46.2780, 0.3823, 0.4200)  
contains.

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# Color

**Yxy(46.2057, 0.3826, 0.4199)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3B66F
RGB	195, 182, 111
RGB Percent	76%, 71%, 44%
CMY	0.2353, 0.2862, 0.5648
CMYK	0.00, 0.07, 0.43, 0.24
HSL	51°, 41%, 60%
HSV	51°, 43%, 76%
XYZ	42.1012, 46.2057, 21.7329
YIQ	177.7930, 30.5390, -19.3250

# Conversions

## Conversions Part 2

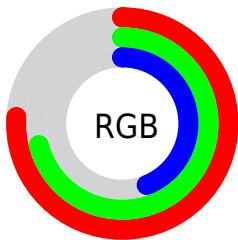
Format	Color
<a href="#">RYB</a>	<a href="#">126, 195, 111</a>
Decimal	<a href="#">12826223</a>
CIELab	<a href="#">73.68, -5.40, 37.74</a>
CIELCh	<a href="#">74, 38.121, 98.148</a>
Yxy	<a href="#">46.2057, 0.3826, 0.4199</a>
Android (android.graphics.Color)	<a href="#">4291016303 (0xFFC3B66F)</a>
YUV	<a href="#">177.7930, -32.9289, 15.0905</a>
Hunter-Lab	<a href="#">67.9748, -8.3992, 28.6262</a>

# Details

The Yxy color **46.2057, 0.3826, 0.4199** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **21.7262, 0.2363, 0.2175**, and the grayscale version is **44.5709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7121, 0.3706, 0.4036**, and **21.6129, 0.4007, 0.4440** is the 20% darker color. If you saturate the color by 10%, you get **44.6026, 0.3989, 0.4389**, and if you desaturate by 10%, it is **47.9334, 0.3658, 0.3992**.

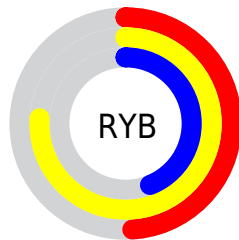
# Distribution



Red (76%)

Green (71%)

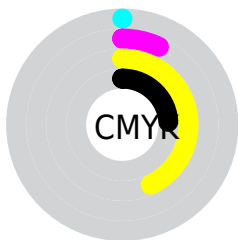
Blue (44%)



Red (49%)

Yellow (76%)

Blue (44%)

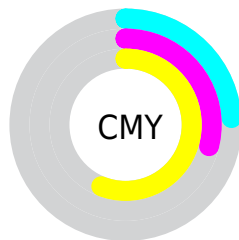


Cyan (0%)

Magenta (7%)

Yellow (43%)

Black (24%)



Cyan (24%)

Magenta (29%)


Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2057, 0.3826, 0.4199 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 46.2057, 0.3826, 0.4199 by changing the saturation by 10% instead.





 46.2057, 0.3826,  
0.4199


 46.2057, 0.3826,  
0.4199


371.6350, 0.3488,  
0.3748


 32.4082, 0.3904,  
0.4307


 84.5268, 0.3708,  
0.4038


 21.6735, 0.3998,  
0.4442

 109.8191, 0.3662,  
0.3976

 13.6172, 0.4113,  
0.4612


 139.7118, 0.3622,  
0.3924

 7.8549, 0.4251,  
0.4829

 174.5893, 0.3588,  
0.3879

 4.0022, 0.4503,  
0.5216

214.8360, 0.3559,  
0.3840

 1.6748, 0.4551,  
0.5449

260.8362, 0.3532,

 0.4073, 0.3852,

0.3805

0.6148

312.9744, 0.3509,  
0.3775

0.0000, 0.0000,  
0.0000

46.2057, 0.3826,  
0.4199

46.2057, 0.3826,  
0.4199

44.6026, 0.3989,  
0.4389

47.9334, 0.3658,  
0.3992

43.1114, 0.4139,  
0.4553

49.7851, 0.3490,  
0.3777

41.7271, 0.4270,  
0.4680

51.7682, 0.3327,  
0.3562

40.4417, 0.4376,  
0.4765

53.8877, 0.3173,  
0.3353

39.2454, 0.4454,  
0.4804

56.1483, 0.3029,  
0.3153

■ 38.4577, 0.4496,  
0.4812

■ 58.5544, 0.2897,  
0.2966

■ 61.1102, 0.2776,  
0.2793

■ 63.0240, 0.2734,  
0.2750

■ 64.4906, 0.2737,  
0.2785

# Harmonies

## Analogous

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



46.2057, 0.4139, 0.3909



46.2057, 0.3826, 0.4199



46.2057, 0.3339, 0.4242

# Triad

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



46.2057, 0.3826, 0.4199



46.2057, 0.2187, 0.2931



46.2057, 0.3384, 0.2737

# Complementary

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



46.2057, 0.3826, 0.4199



21.7262, 0.2363, 0.2175

# 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.



46.2057, 0.2846, 0.2508



46.2057, 0.3826, 0.4199



46.2057, 0.2195, 0.2584

# Square

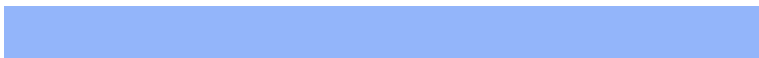
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.2057, 0.3826, 0.4199



46.2057, 0.2404, 0.3442



46.2057, 0.2424, 0.2447



46.2057, 0.3885, 0.3091



# Rectangle

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



46.2057, 0.3826, 0.4199



46.2057, 0.2987, 0.4085



46.2057, 0.2424, 0.2447



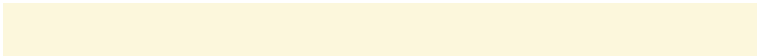
46.2057, 0.3200, 0.2645

# Sweetspot

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



46.2078, 0.3826, 0.4199



92.6793, 0.3329, 0.3564



24.4468, 0.4048, 0.3104



20.1164, 0.3365, 0.3612



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



46.2078, 0.3826, 0.4199



79.9651, 0.3984, 0.4384



48.3902, 0.3513, 0.4437



11.4845, 0.3268, 0.3483



25.0967, 0.4491, 0.4816



1.1575, 0.4415, 0.4877



# Inverse Universe

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



21.7262, 0.2363, 0.2175



30.3234, 0.2170, 0.1873



20.7928, 0.2586, 0.2054



9.9938, 0.2983, 0.3089



3.2491, 0.1539, 0.0741



0.2219, 0.1637, 0.1093



# Previews

## White Background



This preview shows how the Yxy color 46.2057, 0.3826, 0.4199 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

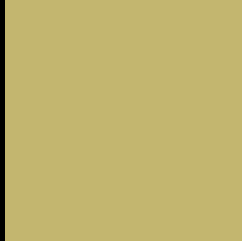
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.2057, 0.3826, 0.4199 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

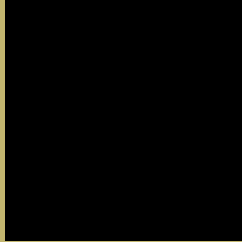
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.2057, 0.3826, 0.4199**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.2057, 0.3826, 0.4199.



This preview shows how white text looks on a background with the Yxy color 46.2057, 0.3826, 0.4199.

# 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

46.2057, 0.3826, 0.4199

### Protanopia

46.2012, 0.3859, 0.4178

### Deuteranopia

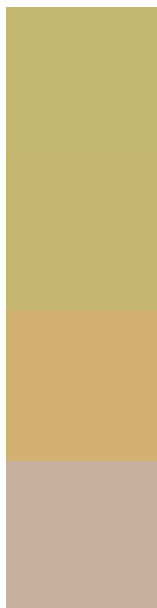
46.1395, 0.4088, 0.4001



## Tritanopia

46.1288, 0.3287, 0.3130

# Trichromacy



## Original Color

46.2057, 0.3826, 0.4199

## Protanomaly

46.0658, 0.3850, 0.4181

## Deuteranomaly

45.9222, 0.3993, 0.4072

## Tritanomaly

45.8332, 0.3490, 0.3507

# Monochromacy



## Original Color

46.2057, 0.3826, 0.4199

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

44.7636, 0.3378, 0.3625

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.2057, 0.3826, 0.4199 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(195, 182, 111)` looks like.

```
.text, #text, p{  
    color:rgb(195, 182, 111)  
}
```

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(195, 182, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 182, 111) }
```

## Border

The CSS property to change the border of an element to Yxy 46.2057, 0.3826, 0.4199 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(195, 182, 111) }
```

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

```
.border{ border-color:rgb(195, 182, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 182, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 182, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 182, 111);  
box-shadow:4px 4px 4px 4px rgb(195, 182,  
111) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.2057, 0.3826, 0.4199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 182, 111) }
```

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

```
.background{ background-color: rgb(195,  
182, 111) }
```

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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