

# Converting Colors

$Yxy(46.4618, 0.3405, 0.4072)$

Have a look what the booklet for  
Yxy(46.4618, 0.3405, 0.4072)  
contains.

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# Color

**Yxy(46.6072, 0.3406, 0.4077)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AABD84
RGB	170, 189, 132
RGB Percent	67%, 74%, 52%
CMY	0.3334, 0.2588, 0.4823
CMYK	0.10, 0.00, 0.30, 0.26
HSL	80°, 30%, 63%
HSV	80°, 30%, 74%
XYZ	38.9365, 46.6072, 28.7737
YIQ	176.8210, 6.9730, -21.7550

# Conversions

## Conversions Part 2

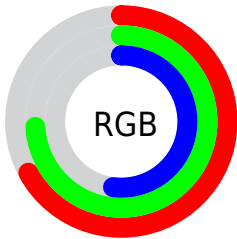
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 189, 151
Decimal	11189636
CIELab	73.94, -16.32, 26.72
CIELCh	74, 31.310, 121.413
Yxy	46.6072, 0.3406, 0.4077
Android (android.graphics.Color)	4289379716 (0xFFAABD84)
YUV	176.8210, -22.0968, -5.9820
Hunter-Lab	68.2695, -17.6667, 22.7995

# Details

The Yxy color **46.6072, 0.3406, 0.4077** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **26.7601, 0.2779, 0.2462**, and the grayscale version is **43.9822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9763, 0.3366, 0.3930**, and **21.9994, 0.3466, 0.4317** is the 20% darker color. If you saturate the color by 10%, you get **45.4514, 0.3490, 0.4354**, and if you desaturate by 10%, it is **47.8946, 0.3315, 0.3803**.

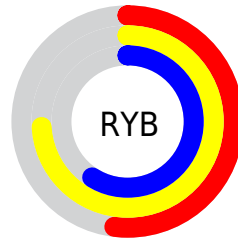
# Distribution



Red (67%)

Green (74%)

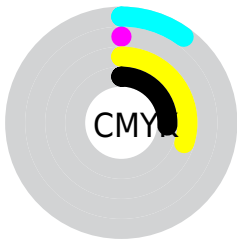
Blue (52%)



Red (52%)

Yellow (74%)

Blue (59%)

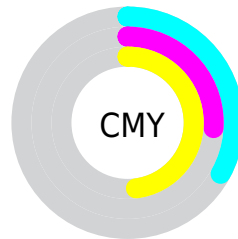


Cyan (10%)

Magenta (0%)

Yellow (30%)

Black (26%)



Cyan (33%)

Magenta (26%)


Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6072, 0.3406, 0.4077 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 46.6072, 0.3406, 0.4077 by changing the saturation by 10% instead.





 46.6072, 0.3406,  
0.4077


 46.6072, 0.3406,  
0.4077


373.2444, 0.3275,  
0.3673


 32.7252, 0.3435,  
0.4180


 85.1270, 0.3361,  
0.3928

 21.9160, 0.3470,  
0.4314


 110.5336, 0.3343,  
0.3873

 13.7952, 0.3512,  
0.4494


 140.5506, 0.3328,  
0.3826

 7.9784, 0.3560,  
0.4745

175.5623, 0.3315,  
0.3786

 4.0811, 0.3607,  
0.5116

215.9532, 0.3303,  
0.3752

 1.7190, 0.3878,  
0.6122

262.1075, 0.3293,

 0.4359, 0.0353,

0.3722

0.9647

314.4098, 0.3283,  
0.3696

0.0000, 0.0000,  
0.0000

46.6072, 0.3406,  
0.4077

46.6072, 0.3406,  
0.4077

45.4514, 0.3490,  
0.4354

47.8946, 0.3315,  
0.3803

44.4156, 0.3562,  
0.4625

49.3126, 0.3222,  
0.3541

43.4957, 0.3618,  
0.4879

50.8680, 0.3129,  
0.3294


42.6851, 0.3652,  
0.5102


52.5655, 0.3038,  
0.3065

41.9762, 0.3663,  
0.5285


54.4093, 0.2952,  
0.2856

 41.3604, 0.3649,  
0.5419

 56.4036, 0.2870,  
0.2667

 40.8285, 0.3616,  
0.5511

 57.9381, 0.2853,  
0.2582

 58.9068, 0.2899,  
0.2591

 59.9128, 0.2946,  
0.2601

# Harmonies

## Analogous

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



46.6072, 0.3782, 0.4003



46.6072, 0.3406, 0.4077



46.6072, 0.2972, 0.3899

# Triad

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



46.6072, 0.3406, 0.4077



46.6072, 0.2332, 0.2762



46.6072, 0.3666, 0.3056

# Complementary

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



46.6072, 0.3406, 0.4077



26.7601, 0.2779, 0.2462

# 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.



46.6072, 0.3240, 0.2775



46.6072, 0.3406, 0.4077



46.6072, 0.2486, 0.2600

# Square

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



46.6072, 0.3406, 0.4077



46.6072, 0.2370, 0.3089



46.6072, 0.2808, 0.2611



46.6072, 0.3947, 0.3400



# Rectangle

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



46.6072, 0.3406, 0.4077



46.6072, 0.2709, 0.3658



46.6072, 0.2808, 0.2611



46.6072, 0.3534, 0.2952

# Sweetspot

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



46.6093, 0.3406, 0.4077



88.5803, 0.3212, 0.3515



34.6208, 0.3717, 0.3553



18.9652, 0.3226, 0.3552



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



46.6093, 0.3406, 0.4077



82.1115, 0.3461, 0.4255



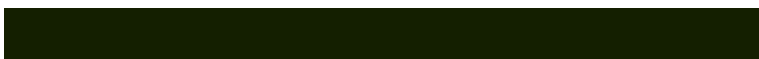
43.7725, 0.3162, 0.4140



10.9567, 0.3214, 0.3520



27.5105, 0.3623, 0.5505



1.1120, 0.3764, 0.5394



# Inverse Universe

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



26.7601, 0.2779, 0.2462



41.0342, 0.2687, 0.2263



29.8220, 0.3064, 0.2528



9.3759, 0.3034, 0.3056



3.2230, 0.1757, 0.0741



0.1628, 0.2040, 0.0897



# Previews

## White Background



This preview shows how the Yxy color 46.6072, 0.3406, 0.4077 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 46.6072, 0.3406, 0.4077 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

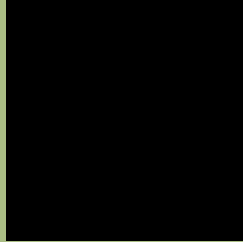
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.6072, 0.3406, 0.4077**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.6072, 0.3406, 0.4077.



This preview shows how white text looks on a background with the Yxy color 46.6072, 0.3406, 0.4077.

# 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

46.6072, 0.3406, 0.4077

### Protanopia

46.3685, 0.3695, 0.3961

### Deuteranopia

46.3175, 0.3843, 0.3768



## Tritanopia

46.5716, 0.3002, 0.3109

# Trichromacy



## Original Color

46.6072, 0.3406, 0.4077

## Protanomaly

46.4575, 0.3591, 0.4005

## Deuteranomaly

45.9672, 0.3679, 0.3869

## Tritanomaly

46.4896, 0.3153, 0.3450

# Monochromacy



## Original Color

46.6072, 0.3406, 0.4077

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

44.6196, 0.3227, 0.3563

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  46.6072, 0.3406, 0.4077 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(170, 189, 132)` looks like.

```
.text, #text, p{  
    color:rgb(170, 189, 132)  
}
```

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(170, 189, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 189, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 46.6072, 0.3406, 0.4077 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(170, 189, 132) }
```

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

```
.border{ border-color:rgb(170, 189, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 189, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 189, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 189, 132);  
box-shadow:4px 4px 4px 4px rgb(170, 189,  
132) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.6072, 0.3406, 0.4077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 189, 132) }
```

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

```
.background{ background-color: rgb(170,  
189, 132) }
```

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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