

# Converting Colors

$Yxy(48.7389, 0.3503, 0.4072)$

Have a look what the booklet for  
Yxy(48.7389, 0.3503, 0.4072)  
contains.

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# Color

**Yxy(48.7513, 0.3498, 0.4075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5BF84
RGB	181, 191, 132
RGB Percent	71%, 75%, 52%
CMY	0.2903, 0.2509, 0.4823
CMYK	0.05, 0.00, 0.31, 0.25
HSL	70°, 32%, 63%
HSV	70°, 31%, 75%
XYZ	41.8484, 48.7513, 29.0354
YIQ	181.2840, 12.9790, -20.4690

# Conversions

## Conversions Part 2

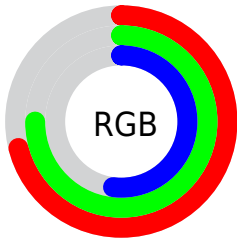
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 191, 142
Decimal	11911044
CIELab	75.30, -13.14, 28.68
CIElCh	75, 31.543, 114.618
Yxy	48.7513, 0.3498, 0.4075
Android (android.graphics.Color)	4290101124 (0xFFB5BF84)
YUV	181.2840, -24.2970, -0.2491
Hunter-Lab	69.8221, -15.2036, 24.2198

# Details

The Yxy color **48.7513, 0.3498, 0.4075** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **26.0201, 0.2677, 0.2417**, and the grayscale version is **46.4986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0712, 0.3432, 0.3923**, and **23.2982, 0.3578, 0.4305** is the 20% darker color. If you saturate the color by 10%, you get **47.8896, 0.3610, 0.4333**, and if you desaturate by 10%, it is **49.7223, 0.3379, 0.3814**.

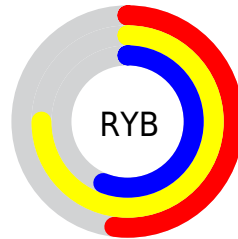
# Distribution



Red (71%)

Green (75%)

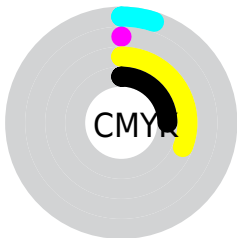
Blue (52%)



Red (52%)

Yellow (75%)

Blue (56%)

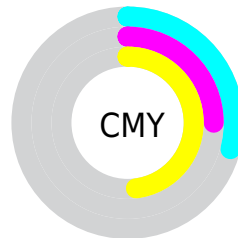


Cyan (5%)

Magenta (0%)

Yellow (31%)

Black (25%)



Cyan (29%)

Magenta (25%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7513, 0.3498, 0.4075 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 48.7513, 0.3498, 0.4075 by changing the saturation by 10% instead.





 48.7513, 0.3498,  
0.4075


 48.7513, 0.3498,  
0.4075

381.7624, 0.3322,  
0.3678

 34.4222, 0.3538,  
0.4175


 88.3220, 0.3437,  
0.3930

 23.2182, 0.3587,  
0.4302


 114.3324, 0.3413,  
0.3876

 14.7547, 0.3646,  
0.4471

 145.0053, 0.3392,  
0.3830

 8.6474, 0.3719,  
0.4702

180.7252, 0.3375,  
0.3791

 4.5119, 0.3800,  
0.5032

221.8765, 0.3359,  
0.3757

 1.9638, 0.4114,  
0.5886

268.8435, 0.3345,

 0.5863, 0.2875,

0.3727

0.7125

322.0107, 0.3333,  
0.3701

0.0000, 0.0000,  
0.0000

48.7513, 0.3498,  
0.4075

48.7513, 0.3498,  
0.4075

47.8896, 0.3610,  
0.4333

49.7223, 0.3379,  
0.3814

47.1252, 0.3711,  
0.4577

50.8009, 0.3257,  
0.3557

46.4547, 0.3794,  
0.4798


51.9938, 0.3138,  
0.3311


45.8716, 0.3856,  
0.4984


53.3054, 0.3022,  
0.3080

45.3685, 0.3892,  
0.5130


54.7397, 0.2913,  
0.2865


 44.9366, 0.3903,  
0.5230

 56.3006, 0.2810,  
0.2668

 44.5900, 0.3895,  
0.5289

 57.2824, 0.2780,  
0.2589

 57.7452, 0.2803,  
0.2594

 58.2176, 0.2826,  
0.2598

# Harmonies

## Analogous

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



48.7513, 0.3841, 0.3952



48.7513, 0.3498, 0.4075



48.7513, 0.3070, 0.3955

# Triad

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



48.7513, 0.3498, 0.4075



48.7513, 0.2329, 0.2826



48.7513, 0.3574, 0.2987

# Complementary

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



48.7513, 0.3498, 0.4075



26.0201, 0.2677, 0.2417

# 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.



48.7513, 0.3138, 0.2730



48.7513, 0.3498, 0.4075



48.7513, 0.2440, 0.2626

# Square

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



48.7513, 0.3498, 0.4075



48.7513, 0.2410, 0.3182



48.7513, 0.2726, 0.2599



48.7513, 0.3897, 0.3320



# Rectangle

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



48.7513, 0.3498, 0.4075



48.7513, 0.2796, 0.3744



48.7513, 0.2726, 0.2599



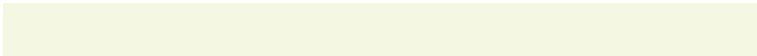
48.7513, 0.3434, 0.2890

# Sweetspot

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



48.7535, 0.3498, 0.4075



91.3324, 0.3236, 0.3513



32.0421, 0.3776, 0.3427



19.9893, 0.3254, 0.3550



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.



48.7535, 0.3498, 0.4075



86.2514, 0.3574, 0.4248



45.5761, 0.3244, 0.4143



11.0363, 0.3239, 0.3518



29.3310, 0.3900, 0.5286



1.1710, 0.3974, 0.5226



# Inverse Universe

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



26.0201, 0.2677, 0.2417



39.1587, 0.2558, 0.2198



28.9625, 0.2962, 0.2485



9.3012, 0.3009, 0.3055



2.7034, 0.1582, 0.0645



0.1304, 0.1791, 0.0760



# Previews

## White Background



This preview shows how the Yxy color 48.7513, 0.3498, 0.4075 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

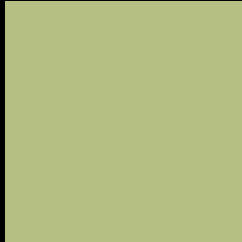
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.7513, 0.3498, 0.4075 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

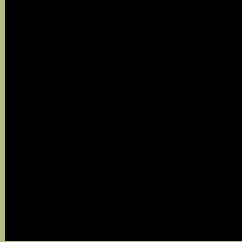
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

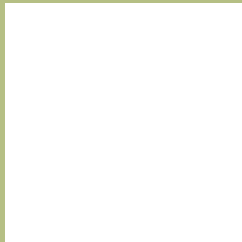
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.7513, 0.3498, 0.4075**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.7513, 0.3498, 0.4075.



This preview shows how white text looks on a background with the Yxy color 48.7513, 0.3498, 0.4075.

# 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

48.7513, 0.3498, 0.4075

### Protanopia

48.5890, 0.3708, 0.3986

### Deuteranopia

48.2536, 0.3877, 0.3794



## Tritanopia

48.7170, 0.3069, 0.3115

# Trichromacy



**Original Color**

48.7513, 0.3498, 0.4075

**Protanomaly**

48.5168, 0.3628, 0.4013

**Deuteranomaly**

48.1563, 0.3733, 0.3891

**Tritanomaly**

48.5740, 0.3229, 0.3459

# Monochromacy



**Original Color**

48.7513, 0.3498, 0.4075

**Achromatopsia**

46.2077, 0.3127, 0.3290

**Achromatomaly**

47.1660, 0.3267, 0.3582

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7513, 0.3498, 0.4075 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(181, 191, 132)` looks like.

```
.text, #text, p{  
    color:rgb(181, 191, 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(181, 191, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 191, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7513, 0.3498, 0.4075 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(181, 191, 132) }
```

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

```
.border{ border-color:rgb(181, 191, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 191, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 191, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 191, 132);  
box-shadow:4px 4px 4px 4px rgb(181, 191,  
132) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.7513, 0.3498, 0.4075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 191, 132) }
```

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

```
.background{ background-color: rgb(181,  
191, 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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