

# Converting Colors

$Yxy(46.8424, 0.3418, 0.4240)$

Have a look what the booklet for  
Yxy(46.8424, 0.3418, 0.4240)  
contains.

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# Color

**Yxy(46.6910, 0.3424, 0.4238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5BF7B
RGB	165, 191, 123
RGB Percent	65%, 75%, 48%
CMY	0.3529, 0.2510, 0.5177
CMYK	0.14, 0.00, 0.36, 0.25
HSL	83°, 35%, 62%
HSV	83°, 36%, 75%
XYZ	37.7230, 46.6910, 25.7583
YIQ	175.4740, 6.3320, -26.6600

# Conversions

## Conversions Part 2

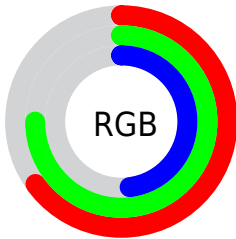
Format	Color
<b>R<sub>YB</sub></b>	123, 191, 149
Decimal	10862459
CIE <sub>Lab</sub>	73.99, -20.45, 31.46
CIE <sub>LCh</sub>	74, 37.526, 123.022
Yxy	46.6910, 0.3424, 0.4238
Android (android.graphics.Color)	4289052539 (0xFFA5BF7B)
YUV	175.4740, -25.8697, -9.1857
Hunter-Lab	68.3308, -21.0355, 25.4814

# Details

The Yxy color **46.6910, 0.3424, 0.4238** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **24.3130, 0.2733, 0.2301**, and the grayscale version is **43.2634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0283, 0.3382, 0.4055**, and **22.1027, 0.3482, 0.4534** is the 20% darker color. If you saturate the color by 10%, you get **45.4997, 0.3494, 0.4520**, and if you desaturate by 10%, it is **48.0244, 0.3345, 0.3956**.

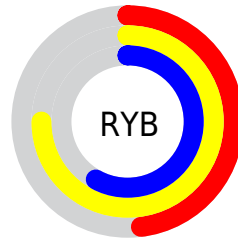
# Distribution



Red (65%)

Green (75%)

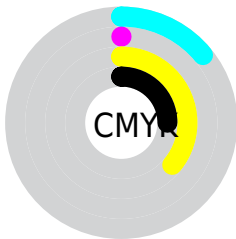
Blue (48%)



Red (48%)

Yellow (75%)

Blue (58%)

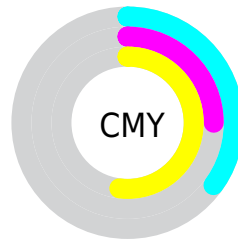


Cyan (14%)

Magenta (0%)

Yellow (36%)

Black (25%)



Cyan (35%)

Magenta (25%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6910, 0.3424, 0.4238 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 46.6910, 0.3424, 0.4238 by changing the saturation by 10% instead.




 46.6910, 0.3424,  
0.4238

 46.6910, 0.3424,  
0.4238


373.5798, 0.3289,  
0.3749

 32.7914, 0.3452,  
0.4363


 85.2522, 0.3379,  
0.4058

 21.9667, 0.3484,  
0.4525


 110.6826, 0.3361,  
0.3991

 13.8325, 0.3520,  
0.4741

 140.7255, 0.3345,  
0.3934

 8.0042, 0.3553,  
0.5042

175.7651, 0.3331,  
0.3886

 4.0977, 0.3576,  
0.5496

216.1860, 0.3318,  
0.3845

 1.7283, 0.3618,  
0.6382

262.3725, 0.3308,

 0.4419, 0.0000,

0.3809

1.0000

314.7089, 0.3298,  
0.3777

0.0000, 0.0000,  
0.0000

46.6910, 0.3424,  
0.4238

46.6910, 0.3424,  
0.4238

45.4997, 0.3494,  
0.4520

48.0244, 0.3345,  
0.3956

44.4382, 0.3549,  
0.4791

49.4995, 0.3261,  
0.3684

43.5018, 0.3585,  
0.5039


51.1238, 0.3175,  
0.3427

42.6829, 0.3599,  
0.5251


52.9022, 0.3090,  
0.3187

41.9728, 0.3589,  
0.5417

54.8395, 0.3008,  
0.2969

 41.3611, 0.3556,  
0.5531

 56.9403, 0.2931,  
0.2770

 41.1145, 0.3538,  
0.5573

 59.0996, 0.2868,  
0.2607

 60.2373, 0.2921,  
0.2617

 61.4251, 0.2975,  
0.2628

# Harmonies

## Analogous

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



46.6910, 0.3882, 0.4147



46.6910, 0.3424, 0.4238



46.6910, 0.2908, 0.4010

# Triad

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



46.6910, 0.3424, 0.4238



46.6910, 0.2194, 0.2641



46.6910, 0.3797, 0.3029

# Complementary

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



46.6910, 0.3424, 0.4238



24.3130, 0.2733, 0.2301

# 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.



46.6910, 0.3287, 0.2698



46.6910, 0.3424, 0.4238



46.6910, 0.2384, 0.2470

# Square

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



46.6910, 0.3424, 0.4238



46.6910, 0.2224, 0.3016



46.6910, 0.2770, 0.2498



46.6910, 0.4122, 0.3432



# Rectangle

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



46.6910, 0.3424, 0.4238



46.6910, 0.2603, 0.3707



46.6910, 0.2770, 0.2498



46.6910, 0.3639, 0.2908

# Sweetspot

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



46.6931, 0.3424, 0.4238



89.9064, 0.3223, 0.3568



33.6636, 0.3846, 0.3633



19.6560, 0.3235, 0.3603



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

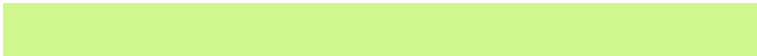


# Same Dimension

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



46.6931, 0.3424, 0.4238



81.8798, 0.3481, 0.4466



43.6033, 0.3147, 0.4325



10.9335, 0.3207, 0.3521



27.0660, 0.3546, 0.5566



1.0967, 0.3703, 0.5442



# Inverse Universe

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



24.3130, 0.2733, 0.2301



35.6857, 0.2619, 0.2051



27.8619, 0.3072, 0.2393



9.3983, 0.3042, 0.3057



3.4463, 0.1828, 0.0781



0.1728, 0.2112, 0.0937



# Previews

## White Background



This preview shows how the Yxy color 46.6910, 0.3424, 0.4238 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

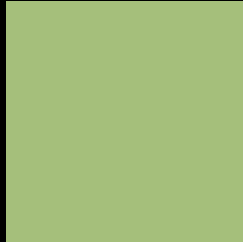
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.6910, 0.3424, 0.4238 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

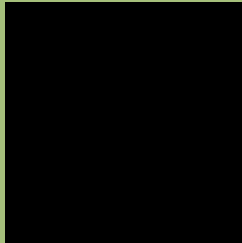
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

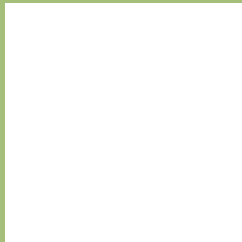
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.6910, 0.3424, 0.4238**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.6910, 0.3424, 0.4238.



This preview shows how white text looks on a background with the Yxy color 46.6910, 0.3424, 0.4238.

# 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

46.6910, 0.3424, 0.4238

### Protanopia

46.2500, 0.3786, 0.4084

### Deuteranopia

46.4033, 0.3933, 0.3859



## Tritanopia

46.5554, 0.2962, 0.3108

# Trichromacy



**Original Color**

46.6910, 0.3424, 0.4238

**Protanomaly**

46.3683, 0.3648, 0.4152

**Deuteranomaly**

46.0192, 0.3733, 0.3985

**Tritanomaly**

46.2204, 0.3134, 0.3507

# Monochromacy



**Original Color**

46.6910, 0.3424, 0.4238

**Achromatopsia**

42.8690, 0.3127, 0.3290

**Achromatomaly**

44.1060, 0.3241, 0.3636

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.6910, 0.3424, 0.4238 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(165, 191, 123)` looks like.

```
.text, #text, p{  
    color:rgb(165, 191, 123)  
}
```

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(165, 191, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 191, 123) }
```

## Border

The CSS property to change the border of an element to Yxy 46.6910, 0.3424, 0.4238 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(165, 191, 123) }
```

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

```
.border{ border-color:rgb(165, 191, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 191, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 191, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 191, 123);  
box-shadow:4px 4px 4px 4px rgb(165, 191,  
123) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.6910, 0.3424, 0.4238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 191, 123) }
```

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

```
.background{ background-color: rgb(165,  
191, 123) }
```

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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