

Converting Colors

$Yxy(45.4019, 0.3498, 0.4246)$

Have a look what the booklet for
Yxy(45.4019, 0.3498, 0.4246)
contains.

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Color

Yxy(45.1974, 0.3492, 0.4238)

Conversions

Conversions Part 1

Format	Color
Hex	A8BB77
RGB	168, 187, 119
RGB Percent	66%, 73%, 47%
CMY	0.3413, 0.2666, 0.5334
CMYK	0.10, 0.00, 0.36, 0.27
HSL	77°, 33%, 60%
HSV	77°, 36%, 73%
XYZ	37.2415, 45.1974, 24.2091
YIQ	173.5670, 10.5040, -25.1760

Conversions

Conversions Part 2

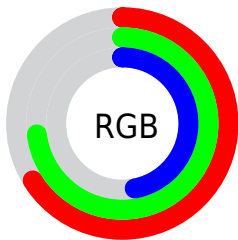
Format	Color
RYB	119, 187, 138
Decimal	11058039
CIELab	73.02, -17.84, 32.32
CIElCh	73, 36.919, 118.895
Yxy	45.1974, 0.3492, 0.4238
Android (android.graphics.Color)	4289248119 (0xFFA8BB77)
YUV	173.5670, -26.9015, -4.8823
Hunter-Lab	67.2290, -18.7708, 25.7101

Details

The Yxy color **45.1974, 0.3492, 0.4238** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **22.1859, 0.2654, 0.2260**, and the grayscale version is **42.2274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9270, 0.3435, 0.4055**, and **21.1247, 0.3575, 0.4531** is the 20% darker color. If you saturate the color by 10%, you get **44.2302, 0.3579, 0.4505**, and if you desaturate by 10%, it is **46.2802, 0.3396, 0.3967**.

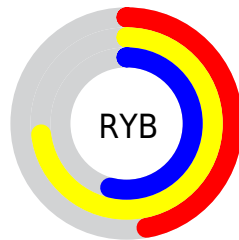
Distribution



Red (66%)

Green (73%)

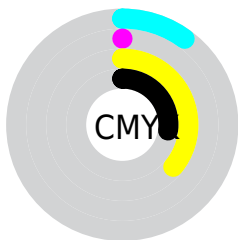
Blue (47%)



Red (47%)

Yellow (73%)

Blue (54%)

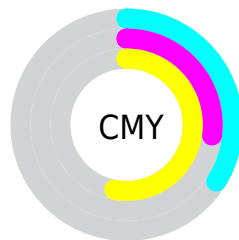


Cyan (10%)

Magenta (0%)

Yellow (36%)

Black (27%)



Cyan (34%)


Magenta (27%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1974, 0.3492, 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 45.1974, 0.3492, 0.4238 by changing the saturation by 10% instead.

 45.1974, 0.3492,
0.4238


 45.1974, 0.3492,
0.4238


367.5724, 0.3322,
0.3749


 31.6129, 0.3529,
0.4363


 83.0166, 0.3434,
0.4058

 21.0660, 0.3572,
0.4524


 108.0200, 0.3411,
0.3991

 13.1723, 0.3622,
0.4739


 137.5986, 0.3391,
0.3934

 7.5473, 0.3673,
0.5035

172.1368, 0.3374,
0.3886

 3.8067, 0.3742,
0.5512

212.0188, 0.3358,
0.3845

 1.5660, 0.3746,
0.6254

257.6292, 0.3345,

 0.3345, 0.0000,

0.3809

1.0000

309.3523, 0.3333,
0.3777

0.0000, 0.0000,
0.0000

45.1974, 0.3492,
0.4238

45.1974, 0.3492,
0.4238

44.2302, 0.3579,
0.4505

46.2802, 0.3396,
0.3967

43.3670, 0.3651,
0.4757

47.4777, 0.3294,
0.3700

42.6039, 0.3703,
0.4983


48.7965, 0.3192,
0.3445

41.9342, 0.3732,
0.5171

50.2410, 0.3091,
0.3205

41.3499, 0.3736,
0.5314

51.8154, 0.2994,
0.2983

 40.8408, 0.3716,
0.5410

 53.5237, 0.2902,
0.2780

 40.6677, 0.3706,
0.5440

 55.3697, 0.2817,
0.2595

 56.4497, 0.2822,
0.2554

 57.2307, 0.2859,
0.2562

Harmonies

Analogous

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



45.1974, 0.3929, 0.4110



45.1974, 0.3492, 0.4238



45.1974, 0.2978, 0.4056

Triad

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



45.1974, 0.3492, 0.4238



45.1974, 0.2190, 0.2684



45.1974, 0.3731, 0.2980

Complementary

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



45.1974, 0.3492, 0.4238



22.1859, 0.2654, 0.2260

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.



45.1974, 0.3212, 0.2665



45.1974, 0.3492, 0.4238



45.1974, 0.2349, 0.2485

Square

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



45.1974, 0.3492, 0.4238



45.1974, 0.2250, 0.3082



45.1974, 0.2709, 0.2487



45.1974, 0.4089, 0.3375

Rectangle

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



45.1974, 0.3492, 0.4238



45.1974, 0.2663, 0.3773



45.1974, 0.2709, 0.2487



45.1974, 0.3567, 0.2863

Sweetspot

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



45.1994, 0.3492, 0.4238



86.2162, 0.3241, 0.3566



29.8261, 0.3899, 0.3547



18.9158, 0.3255, 0.3601



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.



45.1994, 0.3492, 0.4238



79.4766, 0.3565, 0.4461



42.0183, 0.3203, 0.4331



10.9826, 0.3222, 0.3520



28.0528, 0.3712, 0.5435



1.1301, 0.3832, 0.5339

Inverse Universe

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



22.1859, 0.2654, 0.2260



31.9935, 0.2517, 0.1991



25.4530, 0.2997, 0.2355



9.3513, 0.3026, 0.3056



3.0139, 0.1688, 0.0704



0.1521, 0.1961, 0.0854

Previews

White Background



This preview shows how the Yxy color 45.1974, 0.3492, 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 45.1974, 0.3492, 0.4238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

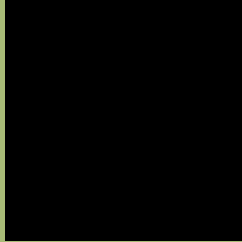
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1974, 0.3492, 0.4238

Background



This preview shows how black text looks on a background with the Yxy color 45.1974, 0.3492, 0.4238.



This preview shows how white text looks on a background with the Yxy color 45.1974, 0.3492, 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

45.1974, 0.3492, 0.4238

Protanopia

45.1033, 0.3801, 0.4104

Deuteranopia

44.8271, 0.3973, 0.3888



Tritanopia

45.1115, 0.3017, 0.3107

Trichromacy



Original Color

45.1974, 0.3492, 0.4238

Protanomaly

45.0545, 0.3684, 0.4155

Deuteranomaly

44.6951, 0.3789, 0.4013

Tritanomaly

44.7630, 0.3195, 0.3507

Monochromacy



Original Color

45.1974, 0.3492, 0.4238

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.3439, 0.3269, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1974, 0.3492, 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(168, 187, 119)` looks like.

```
.text, #text, p{  
    color:rgb(168, 187, 119)  
}
```

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(168, 187, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 187, 119) }
```

Border

The CSS property to change the border of an element to Yxy 45.1974, 0.3492, 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(168, 187, 119) }
```

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

```
.border{ border-color:rgb(168, 187, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 187, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 187, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 187, 119);  
box-shadow:4px 4px 4px 4px rgb(168, 187,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1974, 0.3492, 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(168, 187, 119) }
```

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

```
.background{ background-color: rgb(168,  
187, 119) }
```

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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