

Converting Colors

$Y_{xy}(45.8256, 0.3422, 0.4182)$

Have a look what the booklet for
Yxy(45.8256, 0.3422, 0.4182)
contains.

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Color

Yxy(45.9829, 0.3424, 0.4184)

Conversions

Conversions Part 1

Format	Color
Hex	A6BD7D
RGB	166, 189, 125
RGB Percent	65%, 74%, 49%
CMY	0.3489, 0.2588, 0.5099
CMYK	0.12, 0.00, 0.34, 0.26
HSL	82°, 33%, 62%
HSV	82°, 34%, 74%
XYZ	37.6304, 45.9829, 26.2885
YIQ	174.8270, 6.8360, -24.7800

Conversions

Conversions Part 2

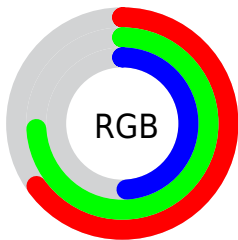
Format	Color
RYB	125, 189, 148
Decimal	10927485
CIELab	73.53, -18.78, 29.83
CIELCh	74, 35.252, 122.191
Yxy	45.9829, 0.3424, 0.4184
Android (android.graphics.Color)	4289117565 (0xFFA6BD7D)
YUV	174.8270, -24.5647, -7.7413
Hunter-Lab	67.8107, -19.6132, 24.4822

Details

The Yxy color **45.9829, 0.3424, 0.4184** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **24.6277, 0.2742, 0.2352**, and the grayscale version is **42.9059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0488, 0.3381, 0.4012**, and **21.6270, 0.3485, 0.4464** is the 20% darker color. If you saturate the color by 10%, you get **44.8335, 0.3500, 0.4463**, and if you desaturate by 10%, it is **47.2669, 0.3340, 0.3906**.

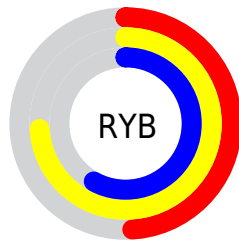
Distribution



Red (65%)

Green (74%)

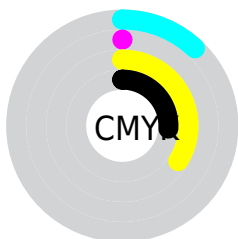
Blue (49%)



Red (49%)

Yellow (74%)

Blue (58%)

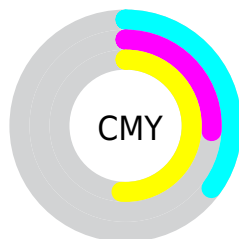


Cyan (12%)

Magenta (0%)

Yellow (34%)

Black (26%)



Cyan (35%)

Magenta (26%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9829, 0.3424, 0.4184 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 45.9829, 0.3424, 0.4184 by changing the saturation by 10% instead.


 45.9829, 0.3424,
0.4184

 45.9829, 0.3424,
0.4184


370.7399, 0.3287,
0.3723

 32.2323, 0.3453,
0.4302


 84.1934, 0.3377,
0.4014

 21.5390, 0.3488,
0.4456


 109.4221, 0.3359,
0.3950

 13.5186, 0.3527,
0.4661


 139.2457, 0.3343,
0.3897

 7.7866, 0.3568,
0.4948

174.0485, 0.3329,
0.3852

 3.9587, 0.3601,
0.5378

214.2149, 0.3316,
0.3813

 1.6505, 0.3706,
0.6294

260.1294, 0.3305,

 0.3913, 0.0000,

0.3779

1.0000

312.1762, 0.3296,
0.3749

0.0000, 0.0000,
0.0000

45.9829, 0.3424,
0.4184

45.9829, 0.3424,
0.4184

44.8335, 0.3500,
0.4463

47.2669, 0.3340,
0.3906

43.8067, 0.3562,
0.4734

48.6848, 0.3251,
0.3637

42.8983, 0.3606,
0.4982


50.2437, 0.3161,
0.3383

42.1011, 0.3628,
0.5196

51.9482, 0.3074,
0.3148

41.4072, 0.3626,
0.5366

53.8030, 0.2989,
0.2932


 40.8069, 0.3599,
0.5486

 55.8122, 0.2909,
0.2736

 40.4740, 0.3576,
0.5543

 57.8322, 0.2849,
0.2581

 58.8702, 0.2898,
0.2591

 59.9510, 0.2948,
0.2601

Harmonies

Analogous

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



45.9829, 0.3853, 0.4096



45.9829, 0.3424, 0.4184



45.9829, 0.2935, 0.3976

Triad

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



45.9829, 0.3424, 0.4184



45.9829, 0.2239, 0.2685



45.9829, 0.3748, 0.3034

Complementary

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



45.9829, 0.3424, 0.4184



24.6277, 0.2742, 0.2352

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.



45.9829, 0.3265, 0.2721



45.9829, 0.3424, 0.4184



45.9829, 0.2415, 0.2514

Square

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



45.9829, 0.3424, 0.4184



45.9829, 0.2274, 0.3046



45.9829, 0.2778, 0.2534



45.9829, 0.4061, 0.3417

Rectangle

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



45.9829, 0.3424, 0.4184



45.9829, 0.2643, 0.3696



45.9829, 0.2778, 0.2534



45.9829, 0.3598, 0.2919

Sweetspot

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



45.9849, 0.3424, 0.4184



88.2046, 0.3218, 0.3541



33.2871, 0.3806, 0.3601



18.8852, 0.3230, 0.3577



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.



45.9849, 0.3424, 0.4184



80.7376, 0.3484, 0.4402



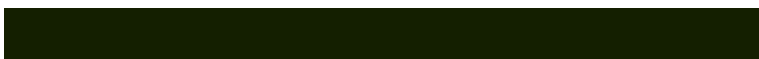
42.9903, 0.3156, 0.4264



10.9448, 0.3211, 0.3520



27.2777, 0.3584, 0.5537



1.1040, 0.3733, 0.5418

Inverse Universe

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



24.6277, 0.2742, 0.2352



36.4127, 0.2630, 0.2109



27.9680, 0.3065, 0.2435



9.3874, 0.3038, 0.3057



3.3331, 0.1792, 0.0761



0.1678, 0.2077, 0.0918

Previews

White Background



This preview shows how the Yxy color 45.9829, 0.3424, 0.4184 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 45.9829, 0.3424, 0.4184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

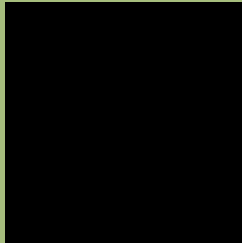
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9829, 0.3424, 0.4184

Background



This preview shows how black text looks on a background with the Yxy color 45.9829, 0.3424, 0.4184.



This preview shows how white text looks on a background with the Yxy color 45.9829, 0.3424, 0.4184.

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

45.9829, 0.3424, 0.4184

Protanopia

45.6251, 0.3756, 0.4053

Deuteranopia

45.7683, 0.3901, 0.3828



Tritanopia

45.8128, 0.2977, 0.3095

Trichromacy



Original Color

45.9829, 0.3424, 0.4184

Protanomaly

45.4625, 0.3631, 0.4105

Deuteranomaly

45.6690, 0.3721, 0.3948

Tritanomaly

45.5399, 0.3136, 0.3466

Monochromacy



Original Color

45.9829, 0.3424, 0.4184

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.8475, 0.3243, 0.3607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9829, 0.3424, 0.4184 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(166, 189, 125)` looks like.

```
.text, #text, p{  
    color:rgb(166, 189, 125)  
}
```

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(166, 189, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 189, 125) }
```

Border

The CSS property to change the border of an element to Yxy 45.9829, 0.3424, 0.4184 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(166, 189, 125) }
```

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

```
.border{ border-color:rgb(166, 189, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 189, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 189, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 189, 125);  
box-shadow:4px 4px 4px 4px rgb(166, 189,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9829, 0.3424, 0.4184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 189, 125) }
```

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

```
.background{ background-color: rgb(166,  
189, 125) }
```

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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