

Converting Colors

$Yxy(45.8624, 0.3496, 0.4283)$

Have a look what the booklet for
Yxy(45.8624, 0.3496, 0.4283)
contains.

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Color

Yxy(46.0044, 0.3500, 0.4288)

Conversions

Conversions Part 1

Format	Color
Hex	A8BD75
RGB	168, 189, 117
RGB Percent	66%, 74%, 46%
CMY	0.3413, 0.2588, 0.5411
CMYK	0.11, 0.00, 0.38, 0.26
HSL	78°, 35%, 60%
HSV	78°, 38%, 74%
XYZ	37.5502, 46.0044, 23.7317
YIQ	174.5130, 10.5960, -26.8440

Conversions

Conversions Part 2

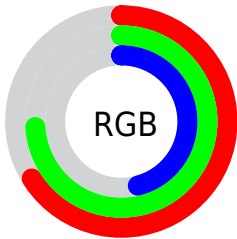
Format	Color
RYB	117, 189, 138
Decimal	11058549
CIELab	73.55, -19.10, 34.03
CIELCh	74, 39.026, 119.304
Yxy	46.0044, 0.3500, 0.4288
Android (android.graphics.Color)	4289248629 (0xFFA8BD75)
YUV	174.5130, -28.3539, -5.7119
Hunter-Lab	67.8265, -19.8750, 26.7337

Details

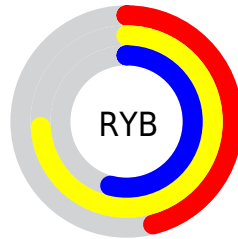
The Yxy color `46.0044, 0.3500, 0.4288` is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be `21.8079, 0.2635, 0.2206`, and the grayscale version is `42.7477, 0.3127, 0.3290`.

A 20% lighter version of the original color is `84.0544, 0.3442, 0.4096`, and `21.6584, 0.3582, 0.4594` is the 20% darker color. If you saturate the color by 10%, you get `45.0121, 0.3582, 0.4555`, and if you desaturate by 10%, it is `47.1164, 0.3407, 0.4015`.

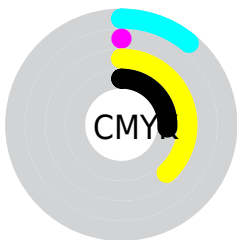
Distribution



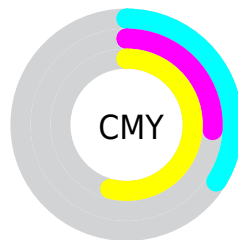
- Red (66%)
- Green (74%)
- Blue (46%)



- Red (46%)
- Yellow (74%)
- Blue (54%)



- Cyan (11%)
- Magenta (0%)
- Yellow (38%)
- Black (26%)



- Cyan (34%)
- Magenta (26%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0044, 0.3500, 0.4288 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 46.0044, 0.3500, 0.4288 by changing the saturation by 10% instead.


 46.0044, 0.3500,
0.4288

 46.0044, 0.3500,
0.4288


370.8263, 0.3328,
0.3774


 32.2493, 0.3536,
0.4419


 84.2256, 0.3442,
0.4099

 21.5520, 0.3578,
0.4587


 109.4604, 0.3419,
0.4029

 13.5281, 0.3625,
0.4810


 139.2907, 0.3399,
0.3969

 7.7932, 0.3671,
0.5116

174.1007, 0.3381,
0.3919

 3.9629, 0.3736,
0.5614

214.2749, 0.3365,
0.3875

 1.6528, 0.3686,
0.6314

260.1976, 0.3352,

 0.3928, 0.0000,

0.3837

1.0000

312.2533, 0.3339,
0.3804

0.0000, 0.0000,
0.0000

46.0044, 0.3500,
0.4288

46.0044, 0.3500,
0.4288

45.0121, 0.3582,
0.4555

47.1164, 0.3407,
0.4015

44.1275, 0.3649,
0.4806

48.3472, 0.3308,
0.3746

43.3464, 0.3695,
0.5028


49.7038, 0.3208,
0.3488


42.6616, 0.3718,
0.5211

51.1908, 0.3108,
0.3245

42.0648, 0.3715,
0.5348

52.8125, 0.3013,
0.3020


 41.5432, 0.3690,
0.5441

 54.5731, 0.2921,
0.2814

 41.4486, 0.3685,
0.5456

 56.4765, 0.2836,
0.2626

 57.6456, 0.2839,
0.2579

 58.4822, 0.2879,
0.2587

Harmonies

Analogous

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



46.0044, 0.3961, 0.4152



46.0044, 0.3500, 0.4288



46.0044, 0.2962, 0.4094

Triad

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



46.0044, 0.3500, 0.4288



46.0044, 0.2148, 0.2649



46.0044, 0.3768, 0.2969

Complementary

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



46.0044, 0.3500, 0.4288



21.8079, 0.2635, 0.2206

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.



46.0044, 0.3222, 0.2640



46.0044, 0.3500, 0.4288



46.0044, 0.2317, 0.2446

Square

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



46.0044, 0.3500, 0.4288



46.0044, 0.2207, 0.3062



46.0044, 0.2694, 0.2452



46.0044, 0.4141, 0.3381

Rectangle

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



46.0044, 0.3500, 0.4288



46.0044, 0.2633, 0.3792



46.0044, 0.2694, 0.2452



46.0044, 0.3596, 0.2847

Sweetspot

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



46.0064, 0.3500, 0.4288



88.2307, 0.3239, 0.3566



30.1133, 0.3943, 0.3576



18.9021, 0.3252, 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.



46.0064, 0.3500, 0.4288



80.8324, 0.3572, 0.4520



42.6412, 0.3195, 0.4392



10.9766, 0.3220, 0.3520



27.9236, 0.3691, 0.5451



1.1258, 0.3816, 0.5352

Inverse Universe

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



21.8079, 0.2635, 0.2206



31.1477, 0.2493, 0.1928



25.3305, 0.3002, 0.2313



9.3569, 0.3028, 0.3056



3.0584, 0.1703, 0.0712



0.1546, 0.1980, 0.0864

Previews

White Background



This preview shows how the Yxy color 46.0044, 0.3500, 0.4288 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 46.0044, 0.3500, 0.4288 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 46.0044, 0.3500, 0.4288

Background



This preview shows how black text looks on a background with the Yxy color 46.0044, 0.3500, 0.4288.



This preview shows how white text looks on a background with the Yxy color 46.0044, 0.3500, 0.4288.

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

46.0044, 0.3500, 0.4288

Protanopia

45.7277, 0.3831, 0.4134

Deuteranopia

45.4845, 0.3996, 0.3907



Tritanopia

46.0025, 0.3001, 0.3108

Trichromacy



Original Color

46.0044, 0.3500, 0.4288

Protanomaly

45.5439, 0.3705, 0.4190

Deuteranomaly

45.3390, 0.3811, 0.4031

Tritanomaly

45.6188, 0.3185, 0.3520

Monochromacy



Original Color

46.0044, 0.3500, 0.4288

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.7463, 0.3268, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0044, 0.3500, 0.4288 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, 189, 117)` looks like.

```
.text, #text, p{  
    color:rgb(168, 189, 117)  
}
```

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, 189, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 189, 117) }
```

Border

The CSS property to change the border of an element to Yxy 46.0044, 0.3500, 0.4288 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, 189, 117) }
```

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

```
.border{ border-color:rgb(168, 189, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 189, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 189, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 189, 117);  
box-shadow:4px 4px 4px 4px rgb(168, 189,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0044, 0.3500, 0.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 189, 117) }
```

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

```
.background{ background-color: rgb(168,  
189, 117) }
```

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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