

Converting Colors

$Y_{xy}(46.8999, 0.3486, 0.3172)$

Have a look what the booklet for
Yxy(46.8999, 0.3486, 0.3172)
contains.

Yxy(46.9502, 0.3481, 0.3172)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.9502, 0.3481, 0.3172)

Conversions

Conversions Part 1

Format	Color
Hex	DAAAB4
RGB	218, 170, 180
RGB Percent	85%, 67%, 71%
CMY	0.1452, 0.3333, 0.2940
CMYK	0.00, 0.22, 0.17, 0.15
HSL	347°, 39%, 76%
HSV	347°, 22%, 85%
XYZ	51.5238, 46.9502, 49.5405
YIQ	185.4920, 25.3980, 13.2860

Conversions

Conversions Part 2

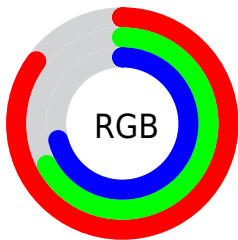
Format	Color
R _Y B	218, 170, 180
Decimal	14330548
CIE Lab	74.16, 19.08, 1.62
CIE LCh	74, 19.144, 4.850
Yxy	46.9502, 0.3481, 0.3172
Android (android.graphics.Color)	4292520628 (0xFFDAAAB4)
YUV	185.4920, -2.7076, 28.5095
Hunter-Lab	68.5202, 14.3129, 5.0972

Details

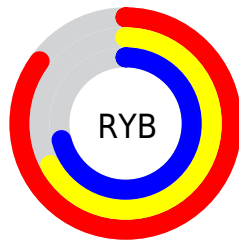
The Yxy color $46.9502, 0.3481, 0.3172$ is a light color, and the websafe version is hex `CC9999`. A complement of this color would be $63.2319, 0.2861, 0.3412$, and the grayscale version is $48.8101, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.1666, 0.3266, 0.3182$, and $22.1706, 0.3580, 0.3149$ is the 20% darker color. If you saturate the color by 10%, you get $38.7855, 0.3704, 0.3115$, and if you desaturate by 10%, it is $56.5616, 0.3300, 0.3228$.

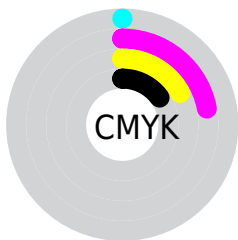
Distribution



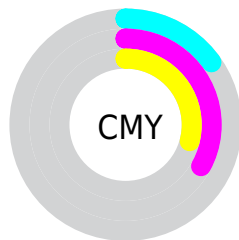
- Red (85%)
- Green (67%)
- Blue (71%)



- Red (85%)
- Yellow (67%)
- Blue (71%)



- Cyan (0%)
- Magenta (22%)
- Yellow (17%)
- Black (15%)





- Cyan (15%)
- Magenta (33%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9502, 0.3481, 0.3172 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 46.9502, 0.3481, 0.3172 by changing the saturation by 10% instead.


 46.9502, 0.3481,
0.3172

 46.9502, 0.3481,
0.3172

374.6157, 0.3304,
0.3232

 32.9963, 0.3525,
0.3157


 85.6393, 0.3417,
0.3194

 22.1236, 0.3582,
0.3137


111.1432, 0.3392,
0.3202

 13.9477, 0.3658,
0.3111


141.2660, 0.3372,
0.3209

 8.0843, 0.3765,
0.3073

176.3920, 0.3354,
0.3215

 4.1490, 0.3924,
0.3017

216.9055, 0.3339,
0.3220

 1.7572, 0.4187,
0.2921

263.1911, 0.3326,

 0.4603, 0.5161,

0.3225

0.2626

315.6330, 0.3314,
0.3228

0.0000, 0.0000,
0.0000

46.9502, 0.3481,
0.3172

46.9502, 0.3481,
0.3172

38.7855, 0.3704,
0.3115

56.5616, 0.3300,
0.3228

31.9913, 0.3976,
0.3060

67.6785, 0.3153,
0.3280

26.4937, 0.4301,
0.3012

80.3642, 0.3034,
0.3328

22.2098, 0.4675,
0.2978

93.2627, 0.2938,
0.3350

19.0465, 0.5081,
0.2970

93.6423, 0.2906,
0.3289

■ 16.8975, 0.5487,
0.2994

■ 15.6354, 0.5846,
0.3056

■ 15.0957, 0.6074,
0.3120

Harmonies

Analogous

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



46.9502, 0.3232, 0.2983



46.9502, 0.3481, 0.3172



46.9502, 0.3635, 0.3395

Triad

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



46.9502, 0.3481, 0.3172



46.9502, 0.3276, 0.3755



46.9502, 0.2634, 0.2952

Complementary

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



46.9502, 0.3481, 0.3172



63.2319, 0.2861, 0.3412

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.



46.9502, 0.2645, 0.3150



46.9502, 0.3481, 0.3172



46.9502, 0.3008, 0.3629

Square

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



46.9502, 0.3481, 0.3172



46.9502, 0.3511, 0.3740



46.9502, 0.2779, 0.3401



46.9502, 0.2747, 0.2854

Rectangle

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



46.9502, 0.3481, 0.3172



46.9502, 0.3658, 0.3539



46.9502, 0.2779, 0.3401



46.9502, 0.2623, 0.3009

Sweetspot

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



46.9523, 0.3481, 0.3172



88.2588, 0.3223, 0.3254



47.1646, 0.3064, 0.2731



18.6854, 0.3232, 0.3251



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



46.9523, 0.3481, 0.3172



61.8163, 0.3570, 0.3148



51.9210, 0.3539, 0.3452



13.0958, 0.3259, 0.3241



9.0585, 0.6041, 0.3102



0.5995, 0.5585, 0.2850

Inverse Universe

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



46.9523, 0.3481, 0.3172



61.8163, 0.3570, 0.3148



56.9789, 0.2790, 0.3122



13.0958, 0.3259, 0.3241



9.0585, 0.6041, 0.3102



0.5995, 0.5585, 0.2850

Previews

White Background



This preview shows how the Yxy color 46.9502, 0.3481, 0.3172 looks on a white background.

Color Contrast Check

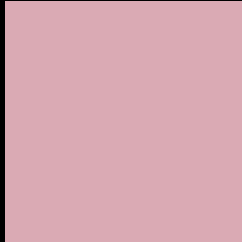
Large Text (above 18pt) WCAG AA × Fail

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 46.9502, 0.3481, 0.3172 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 46.9502, 0.3481, 0.3172

Background



This preview shows how black text looks on a background with the Yxy color 46.9502, 0.3481, 0.3172.



This preview shows how white text looks on a background with the Yxy color 46.9502, 0.3481, 0.3172.

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

46.9502, 0.3481, 0.3172

Protanopia

47.3580, 0.3113, 0.3226

Deuteranopia

47.2555, 0.3332, 0.3266



Tritanopia

47.0738, 0.3454, 0.3137

Trichromacy



Original Color

46.9502, 0.3481, 0.3172

Protanomaly

47.1718, 0.3244, 0.3215

Deuteranomaly

46.9367, 0.3391, 0.3230

Tritanomaly

47.0323, 0.3463, 0.3149

Monochromacy



Original Color

46.9502, 0.3481, 0.3172

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.9317, 0.3250, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9502, 0.3481, 0.3172 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(218, 170, 180)` looks like.

```
.text, #text, p{  
    color:rgb(218, 170, 180)  
}
```

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(218, 170, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 170, 180) }
```

Border

The CSS property to change the border of an element to Yxy 46.9502, 0.3481, 0.3172 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(218, 170, 180) }
```

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

```
.border{ border-color:rgb(218, 170, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 170, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 170, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 170, 180);  
box-shadow:4px 4px 4px 4px rgb(218, 170,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9502, 0.3481, 0.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 170, 180) }
```

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

```
.background{ background-color: rgb(218,  
170, 180) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor