

Converting Colors

$Y_{xy}(46.9115, 0.3256, 0.2941)$

Have a look what the booklet for
Yxy(46.9115, 0.3256, 0.2941)
contains.

Yxy(46.9166, 0.3250, 0.2935)	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(46.9166, 0.3250, 0.2935)

Conversions

Conversions Part 1

Format	Color
Hex	D4AAC8
RGB	212, 170, 200
RGB Percent	83%, 67%, 78%
CMY	0.1687, 0.3333, 0.2155
CMYK	0.00, 0.20, 0.06, 0.17
HSL	317°, 33%, 75%
HSV	317°, 20%, 83%
XYZ	51.9519, 46.9166, 60.9836
YIQ	185.9780, 15.4020, 18.2340

Conversions

Conversions Part 2

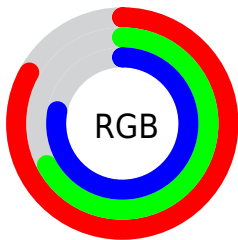
Format	Color
R _{YB}	212, 170, 200
Decimal	13937352
CIE Lab	74.14, 20.29, -9.45
CIE LCh	74, 22.387, 335.026
Yxy	46.9166, 0.3250, 0.2935
Android (android.graphics.Color)	4292127432 (0xFFD4AAC8)
YUV	185.9780, 6.9128, 22.8213
Hunter-Lab	68.4957, 15.5195, -4.8405

Details

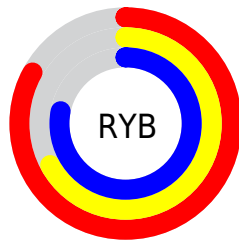
The Yxy color **46.9166, 0.3250, 0.2935** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **59.0030, 0.3023, 0.3673**, and the grayscale version is **49.0454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3304, 0.3141, 0.2999**, and **22.2003, 0.3282, 0.2850** is the 20% darker color. If you saturate the color by 10%, you get **39.3242, 0.3328, 0.2749**, and if you desaturate by 10%, it is **55.8058, 0.3183, 0.3118**.

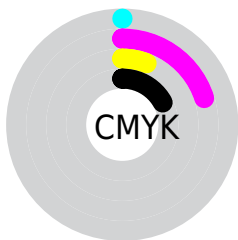
Distribution



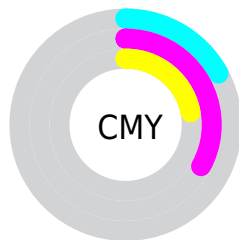
- Red (83%)
- Green (67%)
- Blue (78%)



- Red (83%)
- Yellow (67%)
- Blue (78%)



- Cyan (0%)
- Magenta (20%)
- Yellow (6%)
- Black (17%)





- Cyan (17%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9166, 0.3250, 0.2935 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 46.9166, 0.3250, 0.2935 by changing the saturation by 10% instead.


 46.9166, 0.3250,
0.2935

 46.9166, 0.3250,
0.2935

374.4815, 0.3191,
0.3107

 32.9697, 0.3264,
0.2894


 85.5891, 0.3229,
0.2996

 22.1033, 0.3282,
0.2841


111.0836, 0.3221,
0.3020

 13.9328, 0.3304,
0.2773


141.1960, 0.3214,
0.3040

 8.0739, 0.3335,
0.2680

176.3108, 0.3208,
0.3057

 4.1423, 0.3378,
0.2548

216.8123, 0.3203,
0.3072

 1.7535, 0.3443,
0.2344

263.0850, 0.3199,


 0.4579, 0.3641,

0.3085

0.1786

315.5133, 0.3195,
0.3097


 0.0000, 0.0000,
0.0000


 46.9166, 0.3250,
0.2935


 46.9166, 0.3250,
0.2935

 39.3242, 0.3328,
0.2749


 55.8058, 0.3183,
0.3118

 32.9610, 0.3417,
0.2566


 66.0428, 0.3126,
0.3293

 27.7626, 0.3516,
0.2394

 77.6837, 0.3078,
0.3459

 23.6561, 0.3626,
0.2243

 90.7794, 0.3038,
0.3613

 20.5606, 0.3742,
0.2124

 91.2401, 0.3004,
0.3550

■ 18.3837, 0.3862,
0.2046

■ 91.5855, 0.2972,
0.3485

■ 17.0161, 0.3980,
0.2017

■ 91.9427, 0.2939,
0.3421

■ 16.2635, 0.4096,
0.2031

■ 92.3118, 0.2907,
0.3358

■ 16.2506, 0.4098,
0.2031

■ 92.6931, 0.2875,
0.3296

Harmonies

Analogous

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



46.9166, 0.2936, 0.2802



46.9166, 0.3250, 0.2935



46.9166, 0.3543, 0.3153

Triad

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



46.9166, 0.3250, 0.2935



46.9166, 0.3573, 0.3816



46.9166, 0.2566, 0.3121

Complementary

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



46.9166, 0.3250, 0.2935



59.0030, 0.3023, 0.3673

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.



46.9166, 0.2720, 0.3417



46.9166, 0.3250, 0.2935



46.9166, 0.3297, 0.3837

Square

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



46.9166, 0.3250, 0.2935



46.9166, 0.3732, 0.3654



46.9166, 0.2985, 0.3688



46.9166, 0.2554, 0.2893

Rectangle

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



46.9166, 0.3250, 0.2935



46.9166, 0.3680, 0.3323



46.9166, 0.2985, 0.3688



46.9166, 0.2602, 0.3216

Sweetspot

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



46.9187, 0.3250, 0.2935



90.3463, 0.3161, 0.3185



43.4374, 0.2896, 0.2763



19.1229, 0.3165, 0.3173



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.



46.9187, 0.3250, 0.2935



65.9030, 0.3283, 0.2852



46.0056, 0.3434, 0.3181



12.5696, 0.3181, 0.3125



10.0516, 0.4083, 0.2023



0.6202, 0.3897, 0.1921

Inverse Universe

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



46.9187, 0.3250, 0.2935



65.9030, 0.3283, 0.2852



59.9341, 0.2889, 0.3403



12.5696, 0.3181, 0.3125



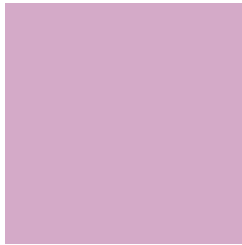
10.0516, 0.4083, 0.2023



0.6202, 0.3897, 0.1921

Previews

White Background



This preview shows how the Yxy color 46.9166, 0.3250, 0.2935 looks on a white background.

Color Contrast Check

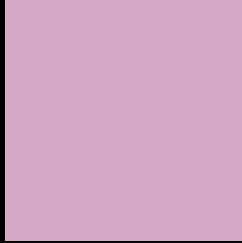
Large Text (above 18pt) WCAG AA × Fail

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 46.9166, 0.3250, 0.2935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

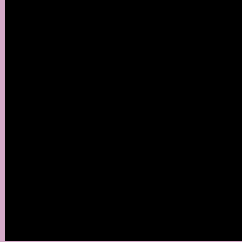
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9166, 0.3250, 0.2935

Background



This preview shows how black text looks on a background with the Yxy color 46.9166, 0.3250, 0.2935.



This preview shows how white text looks on a background with the Yxy color 46.9166, 0.3250, 0.2935.

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

46.9166, 0.3250, 0.2935

Protanopia

47.0177, 0.2905, 0.2960

Deuteranopia

46.9053, 0.3089, 0.3017



Tritanopia

46.7519, 0.3351, 0.3121

Trichromacy



Original Color

46.9166, 0.3250, 0.2935

Protanomaly

46.7511, 0.3024, 0.2955

Deuteranomaly

46.6750, 0.3150, 0.2985

Tritanomaly

46.7363, 0.3318, 0.3051

Monochromacy



Original Color

46.9166, 0.3250, 0.2935

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.0062, 0.3168, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9166, 0.3250, 0.2935 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(212, 170, 200)` looks like.

```
.text, #text, p{  
    color:rgb(212, 170, 200)  
}
```

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(212, 170, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 170, 200) }
```

Border

The CSS property to change the border of an element to Yxy 46.9166, 0.3250, 0.2935 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(212, 170, 200) }
```

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

```
.border{ border-color:rgb(212, 170, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 170, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 170, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 170, 200);  
box-shadow:4px 4px 4px 4px rgb(212, 170,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9166, 0.3250, 0.2935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 170, 200) }
```

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

```
.background{ background-color: rgb(212,  
170, 200) }
```

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