

Converting Colors

Yxy(46.9323, 0.3311, 0.2969)

Have a look what the booklet for
Yxy(46.9323, 0.3311, 0.2969)
contains.

Yxy(46.8085, 0.3313, 0.2972)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.8085, 0.3313, 0.2972)

Conversions

Conversions Part 1

Format	Color
Hex	D7A9C4
RGB	215, 169, 196
RGB Percent	84%, 66%, 77%
CMY	0.1568, 0.3373, 0.2314
CMYK	0.00, 0.21, 0.09, 0.16
HSL	325°, 37%, 75%
HSV	325°, 21%, 84%
XYZ	52.1792, 46.8085, 58.5106
YIQ	185.8320, 18.7490, 18.1490

Conversions

Conversions Part 2

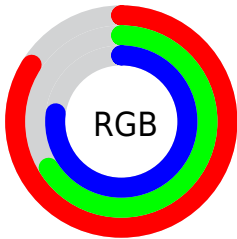
Format	Color
R _{YB}	215, 169, 196
Decimal	14133700
CIE Lab	74.07, 21.19, -7.31
CIE LCh	74, 22.414, 340.960
Yxy	46.8085, 0.3313, 0.2972
Android (android.graphics.Color)	4292323780 (0xFFD7A9C4)
YUV	185.8320, 5.0128, 25.5803
Hunter-Lab	68.4167, 16.4068, -2.8136

Details

The Yxy color **46.8085, 0.3313, 0.2972** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **60.6744, 0.2977, 0.3631**, and the grayscale version is **48.9692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6632, 0.3154, 0.3008**, and **22.1492, 0.3369, 0.2899** is the 20% darker color. If you saturate the color by 10%, you get **39.0649, 0.3426, 0.2816**, and if you desaturate by 10%, it is **55.8957, 0.3217, 0.3125**.

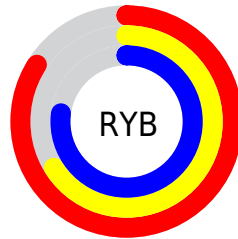
Distribution



Red (84%)

Green (66%)

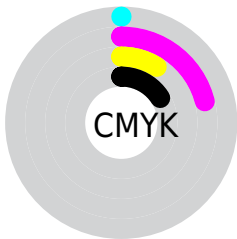
Blue (77%)



Red (84%)

Yellow (66%)

Blue (77%)

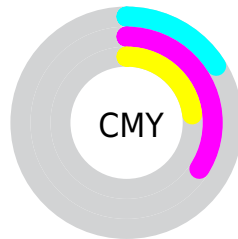


Cyan (0%)

Magenta (21%)

Yellow (9%)

Black (16%)



Cyan (16%)


Magenta (34%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8085, 0.3313, 0.2972 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 46.8085, 0.3313, 0.2972 by changing the saturation by 10% instead.


 46.8085, 0.3313,
0.2972


 46.8085, 0.3313,
0.2972

374.0496, 0.3222,
0.3127

 32.8843, 0.3335,
0.2935


 85.4277, 0.3280,
0.3027

 22.0378, 0.3363,
0.2887


 110.8915, 0.3268,
0.3048

 13.8847, 0.3400,
0.2825


140.9706, 0.3258,
0.3066

 8.0405, 0.3450,
0.2741

176.0494, 0.3249,
0.3082

 4.1209, 0.3523,
0.2620

216.5123, 0.3241,
0.3095

 1.7414, 0.3638,
0.2430

262.7437, 0.3234,

 0.4503, 0.3953,

0.3107

0.1875

315.1280, 0.3228,
0.3118

0.0000, 0.0000,
0.0000

46.8085, 0.3313,
0.2972

46.8085, 0.3313,
0.2972

39.0649, 0.3426,
0.2816

55.8957, 0.3217,
0.3125

32.5939, 0.3558,
0.2663

66.3806, 0.3137,
0.3270

27.3277, 0.3710,
0.2521

78.3216, 0.3071,
0.3407

23.1893, 0.3880,
0.2399

91.7691, 0.3015,
0.3534

20.0930, 0.4064,
0.2310

92.2855, 0.2967,
0.3440

■ 17.9404, 0.4257,
0.2265

■ 92.8277, 0.2919,
0.3348

■ 16.6141, 0.4450,
0.2272

■ 93.1892, 0.2889,
0.3289

■ 15.9603, 0.4612,
0.2314

Harmonies

Analogous

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



46.8085, 0.2995, 0.2819



46.8085, 0.3313, 0.2972



46.8085, 0.3591, 0.3202

Triad

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



46.8085, 0.3313, 0.2972



46.8085, 0.3526, 0.3834



46.8085, 0.2551, 0.3068

Complementary

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



46.8085, 0.3313, 0.2972



60.6744, 0.2977, 0.3631

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.



46.8085, 0.2678, 0.3357



46.8085, 0.3313, 0.2972



46.8085, 0.3235, 0.3822

Square

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



46.8085, 0.3313, 0.2972



46.8085, 0.3714, 0.3695



46.8085, 0.2926, 0.3643



46.8085, 0.2568, 0.2861

Rectangle

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



46.8085, 0.3313, 0.2972



46.8085, 0.3709, 0.3375



46.8085, 0.2926, 0.3643



46.8085, 0.2578, 0.3159

Sweetspot

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



46.8106, 0.3313, 0.2972



90.2232, 0.3173, 0.3203



43.8987, 0.2918, 0.2723



19.0937, 0.3178, 0.3194



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.



46.8106, 0.3313, 0.2972



63.1060, 0.3366, 0.2897



45.8654, 0.3514, 0.3236



12.5419, 0.3200, 0.3154



9.5663, 0.4585, 0.2299



0.5933, 0.4283, 0.2133

Inverse Universe

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



46.8106, 0.3313, 0.2972



63.1060, 0.3366, 0.2897



61.7169, 0.2838, 0.3346



12.5419, 0.3200, 0.3154



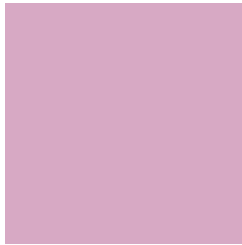
9.5663, 0.4585, 0.2299



0.5933, 0.4283, 0.2133

Previews

White Background



This preview shows how the Yxy color 46.8085, 0.3313, 0.2972 looks on a white background.

Color Contrast Check

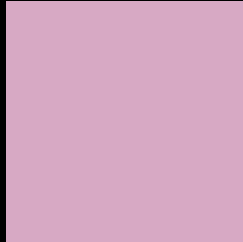
Large Text (above 18pt) WCAG AA × Fail

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 46.8085, 0.3313, 0.2972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

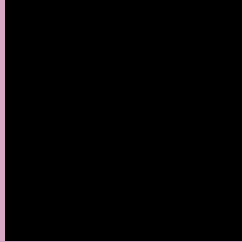
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8085, 0.3313, 0.2972

Background



This preview shows how black text looks on a background with the Yxy color 46.8085, 0.3313, 0.2972.



This preview shows how white text looks on a background with the Yxy color 46.8085, 0.3313, 0.2972.

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

46.8085, 0.3313, 0.2972

Protanopia

46.9911, 0.2935, 0.2997

Deuteranopia

46.9414, 0.3146, 0.3079



Tritanopia

46.7326, 0.3398, 0.3135

Trichromacy



Original Color

46.8085, 0.3313, 0.2972

Protanomaly

46.8678, 0.3064, 0.2992

Deuteranomaly

46.7688, 0.3201, 0.3034

Tritanomaly

46.6764, 0.3373, 0.3076

Monochromacy



Original Color

46.8085, 0.3313, 0.2972

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.2305, 0.3193, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8085, 0.3313, 0.2972 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(215, 169, 196)` looks like.

```
.text, #text, p{  
    color:rgb(215, 169, 196)  
}
```

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(215, 169, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 169, 196) }
```

Border

The CSS property to change the border of an element to Yxy 46.8085, 0.3313, 0.2972 is called "border". The border property can be set on classes, ids or directly on the HTML element.

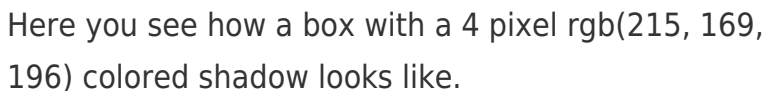
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 169, 196) }
```

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

```
.border{ border-color:rgb(215, 169, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 169, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 169, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 169, 196); box-shadow:4px 4px 4px 4px rgb(215, 169, 196) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8085, 0.3313, 0.2972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 169, 196) }
```

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

```
.background{ background-color: rgb(215,  
169, 196) }
```

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