

Converting Colors

$Y_{xy}(47.5572, 0.3215, 0.2976)$

Have a look what the booklet for
Yxy(47.5572, 0.3215, 0.2976)
contains.

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Color

Yxy(47.4672, 0.3212, 0.2968)

Conversions

Conversions Part 1

Format	Color
Hex	D0ADC8
RGB	208, 173, 200
RGB Percent	82%, 68%, 78%
CMY	0.1845, 0.3215, 0.2157
CMYK	0.00, 0.17, 0.04, 0.18
HSL	314°, 27%, 75%
HSV	314°, 17%, 82%
XYZ	51.3695, 47.4672, 61.0932
YIQ	186.5430, 12.1930, 15.8170

Conversions

Conversions Part 2

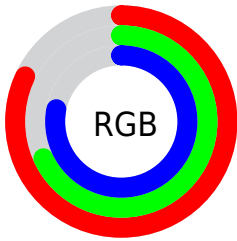
Format	Color
R _Y B	208, 173, 200
Decimal	13675976
CIE Lab	74.49, 17.25, -8.95
CIE LCh	74, 19.428, 332.586
Yxy	47.4672, 0.3212, 0.2968
Android (android.graphics.Color)	4291866056 (0xFFD0ADC8)
YUV	186.5430, 6.6343, 18.8178
Hunter-Lab	68.8964, 12.5216, -4.3473

Details

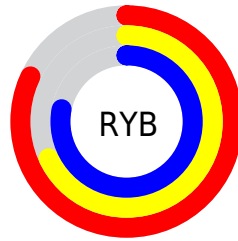
The Yxy color **47.4672, 0.3212, 0.2968** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.3090, 0.3052, 0.3635**, and the grayscale version is **49.3788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5186, 0.3139, 0.3039**, and **22.2806, 0.3231, 0.2875** is the 20% darker color. If you saturate the color by 10%, you get **39.8857, 0.3273, 0.2769**, and if you desaturate by 10%, it is **56.3010, 0.3159, 0.3162**.

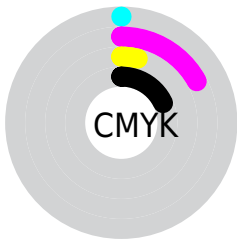
Distribution



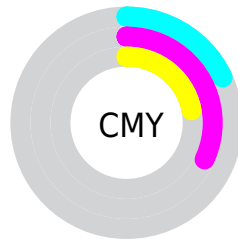
- Red (82%)
- Green (68%)
- Blue (78%)



- Red (82%)
- Yellow (68%)
- Blue (78%)



- Cyan (0%)
- Magenta (17%)
- Yellow (4%)
- Black (18%)




- Cyan (18%)
- Magenta (32%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4672, 0.3212, 0.2968 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 47.4672, 0.3212, 0.2968 by changing the saturation by 10% instead.


 47.4672, 0.3212,
0.2968

 47.4672, 0.3212,
0.2968

376.6763, 0.3172,
0.3124

 33.4051, 0.3222,
0.2930

 86.4106, 0.3198,
0.3024

 22.4370, 0.3233,
0.2883


112.0607, 0.3192,
0.3045

 14.1783, 0.3249,
0.2820


142.3423, 0.3188,
0.3063

 8.2448, 0.3269,
0.2736

177.6398, 0.3184,
0.3079

 4.2520, 0.3297,
0.2615

218.3375, 0.3180,
0.3092

 1.8155, 0.3339,
0.2427

264.8199, 0.3177,

 0.4968, 0.3477,

0.3104

0.1932

317.4714, 0.3174,
0.3115

0.0000, 0.0000,
0.0000

47.4672, 0.3212,
0.2968

47.4672, 0.3212,
0.2968

39.8857, 0.3273,
0.2769

56.3010, 0.3159,
0.3162

33.4929, 0.3343,
0.2572

66.4343, 0.3113,
0.3349

28.2291, 0.3420,
0.2385

77.9198, 0.3075,
0.3524

24.0269, 0.3505,
0.2217

90.0337, 0.3042,
0.3675

20.8118, 0.3594,
0.2078

90.2867, 0.3016,
0.3623

■ 18.4995, 0.3685,
0.1978

■ 90.5469, 0.2990,
0.3571

■ 16.9915, 0.3776,
0.1923

■ 90.8142, 0.2965,
0.3520

■ 16.1592, 0.3863,
0.1915

■ 91.0889, 0.2939,
0.3469

■ 15.9607, 0.3891,
0.1917

■ 91.3708, 0.2914,
0.3419

Harmonies

Analogous

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



47.4672, 0.2942, 0.2859



47.4672, 0.3212, 0.2968



47.4672, 0.3468, 0.3154

Triad

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



47.4672, 0.3212, 0.2968



47.4672, 0.3529, 0.3738



47.4672, 0.2646, 0.3166

Complementary

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



47.4672, 0.3212, 0.2968



57.3090, 0.3052, 0.3635

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.



47.4672, 0.2790, 0.3421



47.4672, 0.3212, 0.2968



47.4672, 0.3297, 0.3764

Square

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



47.4672, 0.3212, 0.2968



47.4672, 0.3655, 0.3593



47.4672, 0.3027, 0.3647



47.4672, 0.2625, 0.2960

Rectangle

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



47.4672, 0.3212, 0.2968



47.4672, 0.3593, 0.3303



47.4672, 0.3027, 0.3647



47.4672, 0.2681, 0.3249

Sweetspot

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



47.4693, 0.3212, 0.2968



91.9475, 0.3150, 0.3195



44.2232, 0.2916, 0.2848



19.4475, 0.3154, 0.3182



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.



47.4693, 0.3212, 0.2968



70.9399, 0.3232, 0.2900



46.7151, 0.3358, 0.3170



11.9610, 0.3172, 0.3112



9.9685, 0.3879, 0.1911



0.5689, 0.3732, 0.1830

Inverse Universe

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



47.4693, 0.3212, 0.2968



70.9399, 0.3232, 0.2900



58.0533, 0.2939, 0.3414



11.9610, 0.3172, 0.3112



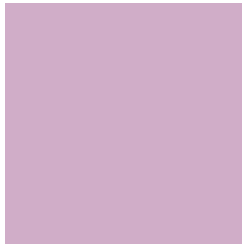
9.9685, 0.3879, 0.1911



0.5689, 0.3732, 0.1830

Previews

White Background



This preview shows how the Yxy color 47.4672, 0.3212, 0.2968 looks on a white background.

Color Contrast Check

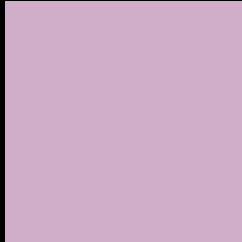
Large Text (above 18pt) WCAG AA × Fail

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 47.4672, 0.3212, 0.2968 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 47.4672, 0.3212, 0.2968

Background



This preview shows how black text looks on a background with the Yxy color 47.4672, 0.3212, 0.2968.



This preview shows how white text looks on a background with the Yxy color 47.4672, 0.3212, 0.2968.

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

47.4672, 0.3212, 0.2968

Protanopia

47.6154, 0.2929, 0.2987

Deuteranopia

47.4336, 0.3097, 0.3030



Tritanopia

47.4559, 0.3285, 0.3120

Trichromacy



Original Color

47.4672, 0.3212, 0.2968

Protanomaly

47.5470, 0.3024, 0.2980

Deuteranomaly

47.3163, 0.3140, 0.3009

Tritanomaly

47.3878, 0.3261, 0.3061

Monochromacy



Original Color

47.4672, 0.3212, 0.2968

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.8638, 0.3158, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4672, 0.3212, 0.2968 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(208, 173, 200)` looks like.

```
.text, #text, p{  
    color:rgb(208, 173, 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(208, 173, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 173, 200) }
```

Border

The CSS property to change the border of an element to Yxy 47.4672, 0.3212, 0.2968 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(208, 173, 200) }
```

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

```
.border{ border-color:rgb(208, 173, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 173, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 173, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 173, 200);  
box-shadow:4px 4px 4px 4px rgb(208, 173,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4672, 0.3212, 0.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 173, 200) }
```

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

```
.background{ background-color: rgb(208,  
173, 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](#).

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