

Converting Colors

$Y_{xy}(47.2068, 0.3035, 0.2900)$

Have a look what the booklet for
Yxy(47.2068, 0.3035, 0.2900)
contains.

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Color

Yxy(47.2068, 0.3035, 0.2900)

Conversions

Conversions Part 1

Format	Color
Hex	C3B0D0
RGB	195, 176, 208
RGB Percent	76%, 69%, 82%
CMY	0.2355, 0.3097, 0.1844
CMYK	0.06, 0.15, 0.00, 0.18
HSL	276°, 25%, 75%
HSV	276°, 15%, 82%
XYZ	49.4044, 47.2068, 66.1709
YIQ	185.3290, 1.0520, 13.9800

Conversions

Conversions Part 2

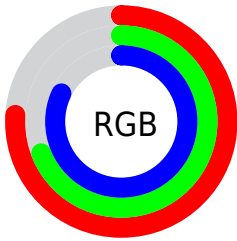
Format	Color
R_{YB}	195, 176, 208
Decimal	12824784
CIE _{Lab}	74.32, 12.70, -13.68
CIE _{LCh}	74, 18.666, 312.872
Yxy	47.2068, 0.3035, 0.2900
Android (android.graphics.Color)	4291014864 (0xFFC3B0D0)
YUV	185.3290, 11.1768, 8.4815
Hunter-Lab	68.7072, 8.1140, -9.0063

Details

The Yxy color $47.2068, 0.3035, 0.2900$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $59.0654, 0.3207, 0.3686$, and the grayscale version is $48.6422, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.6287, 0.3118, 0.3067$, and $22.1617, 0.3001, 0.2782$ is the 20% darker color. If you saturate the color by 10%, you get $38.5689, 0.2962, 0.2626$, and if you desaturate by 10%, it is $57.1625, 0.3098, 0.3159$.

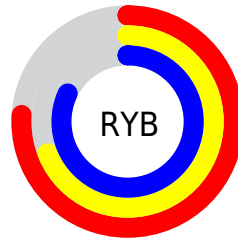
Distribution



Red (76%)

Green (69%)

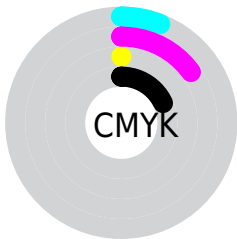
Blue (82%)



Red (76%)

Yellow (69%)

Blue (82%)

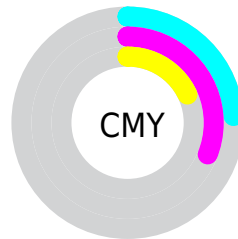


Cyan (6%)

Magenta (15%)

Yellow (0%)

Black (18%)



Cyan (24%)


Magenta (31%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2068, 0.3035, 0.2900 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 47.2068, 0.3035, 0.2900 by changing the saturation by 10% instead.


 47.2068, 0.3035,
0.2900

 47.2068, 0.3035,
0.2900

375.6394, 0.3083,
0.3089

 33.1992, 0.3023,
0.2854


 86.0222, 0.3053,
0.2968

 22.2791, 0.3007,
0.2797

111.5988, 0.3059,
0.2993

 14.0621, 0.2985,
0.2722


141.8005, 0.3065,
0.3015

 8.1639, 0.2954,
0.2620

177.0117, 0.3069,
0.3034

 4.2000, 0.2906,
0.2475

217.6168, 0.3073,
0.3051

 1.7860, 0.2826,
0.2251

264.0002, 0.3077,

 0.4785, 0.2715,

0.3065

0.1698

316.5462, 0.3080,
0.3078

0.0000, 0.0000,
0.0000

47.2068, 0.3035,
0.2900

47.2068, 0.3035,
0.2900

38.5689, 0.2962,
0.2626

57.1625, 0.3098,
0.3159

31.1851, 0.2878,
0.2342

68.4840, 0.3150,
0.3399

24.9951, 0.2784,
0.2057

81.2243, 0.3194,
0.3618

19.9315, 0.2681,
0.1782

92.7113, 0.3235,
0.3776

15.9196, 0.2572,
0.1531

94.1399, 0.3290,
0.3768

■ 12.8757, 0.2462,
0.1316

■ 95.6377, 0.3345,
0.3760

■ 10.7026, 0.2354,
0.1148

■ 97.2055, 0.3401,
0.3751

■ 9.2815, 0.2252,
0.1032

■ 97.3332, 0.3406,
0.3751

■ 8.7760, 0.2207,
0.0990

Harmonies

Analogous

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



47.2068, 0.2805, 0.2859



47.2068, 0.3035, 0.2900



47.2068, 0.3299, 0.3034

Triad

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



47.2068, 0.3035, 0.2900



47.2068, 0.3608, 0.3640



47.2068, 0.2743, 0.3331

Complementary

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



47.2068, 0.3035, 0.2900



59.0654, 0.3207, 0.3686

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.



47.2068, 0.2946, 0.3567



47.2068, 0.3035, 0.2900



47.2068, 0.3447, 0.3745

Square

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



47.2068, 0.3035, 0.2900



47.2068, 0.3638, 0.3451



47.2068, 0.3203, 0.3722



47.2068, 0.2642, 0.3095

Rectangle

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



47.2068, 0.3035, 0.2900



47.2068, 0.3458, 0.3162



47.2068, 0.3203, 0.3722



47.2068, 0.2801, 0.3414

Sweetspot

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



47.2088, 0.3035, 0.2900



91.1603, 0.3099, 0.3166



50.3281, 0.2887, 0.3055



19.2557, 0.3095, 0.3149



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.



47.2088, 0.3035, 0.2900



70.7509, 0.3015, 0.2823



48.8909, 0.3166, 0.2943



11.7587, 0.3074, 0.3056



5.5284, 0.2221, 0.0997



0.3549, 0.2400, 0.1096

Inverse Universe

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



48.1444, 0.3301, 0.3133



72.5014, 0.3340, 0.3102



57.5786, 0.3090, 0.3663



11.8870, 0.3227, 0.3196



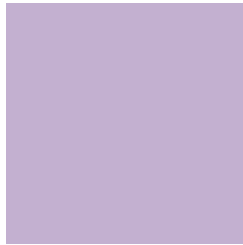
8.7830, 0.5329, 0.2710



0.5067, 0.4850, 0.2445

Previews

White Background



This preview shows how the Yxy color 47.2068, 0.3035, 0.2900 looks on a white background.

Color Contrast Check

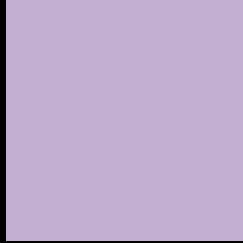
Large Text (above 18pt) WCAG AA × Fail

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 47.2068, 0.3035, 0.2900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

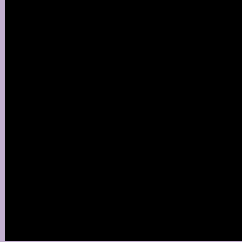
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.2068, 0.3035, 0.2900

Background



This preview shows how black text looks on a background with the Yxy color 47.2068, 0.3035, 0.2900.



This preview shows how white text looks on a background with the Yxy color 47.2068, 0.3035, 0.2900.

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

47.2068, 0.3035, 0.2900

Protanopia

47.0980, 0.2869, 0.2911

Deuteranopia

47.2137, 0.2986, 0.2919



Tritanopia

47.4279, 0.3135, 0.3115

Trichromacy



Original Color

47.2068, 0.3035, 0.2900

Protanomaly

47.0837, 0.2930, 0.2904

Deuteranomaly

47.0747, 0.3002, 0.2908

Tritanomaly

47.3873, 0.3105, 0.3042

Monochromacy



Original Color

47.2068, 0.3035, 0.2900

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.1250, 0.3100, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2068, 0.3035, 0.2900 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(195, 176, 208)` looks like.

```
.text, #text, p{  
    color:rgb(195, 176, 208)  
}
```

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(195, 176, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 176, 208) }
```

Border

The CSS property to change the border of an element to Yxy 47.2068, 0.3035, 0.2900 is called "border". The border property can be set on classes, ids or directly on the HTML element.

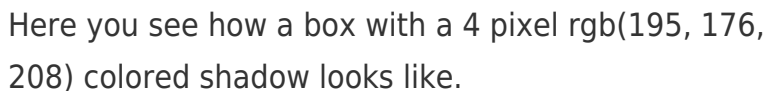
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 176, 208) }
```

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

```
.border{ border-color:rgb(195, 176, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 176, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 176, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 176, 208); box-shadow:4px 4px 4px 4px rgb(195, 176, 208) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2068, 0.3035, 0.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 176, 208) }
```

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

```
.background{ background-color: rgb(195,  
176, 208) }
```

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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