

Converting Colors

$Y_{xy}(48.0322, 0.2811, 0.2919)$

Have a look what the booklet for
Yxy(48.0322, 0.2811, 0.2919)
contains.

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Color

Yxy(47.9067, 0.2812, 0.2910)

Conversions

Conversions Part 1

Format	Color
Hex	ACB8D6
RGB	172, 184, 214
RGB Percent	67%, 72%, 84%
CMY	0.3254, 0.2784, 0.1608
CMYK	0.20, 0.14, 0.00, 0.16
HSL	223°, 34%, 76%
HSV	223°, 20%, 84%
XYZ	46.2933, 47.9067, 70.4278
YIQ	183.8320, -16.7820, 6.7860

Conversions

Conversions Part 2

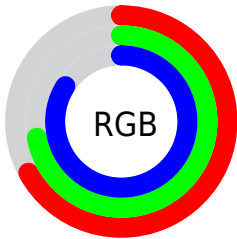
Format	Color
R_{YB}	172, 181, 214
Decimal	11319510
CIE _{Lab}	74.77, 2.16, -16.47
CIE _{LCh}	75, 16.613, 277.482
Yxy	47.9067, 0.2812, 0.2910
Android (android.graphics.Color)	4289509590 (0xFFACB8D6)
YUV	183.8320, 14.8728, -10.3767
Hunter-Lab	69.2147, -1.7382, -11.8789

Details

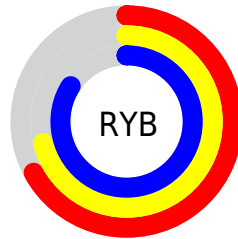
The Yxy color **47.9067, 0.2812, 0.2910** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **59.5245, 0.3446, 0.3643**, and the grayscale version is **47.7606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0342, 0.2962, 0.3138**, and **22.6577, 0.2725, 0.2809** is the 20% darker color. If you saturate the color by 10%, you get **39.6657, 0.2635, 0.2683**, and if you desaturate by 10%, it is **57.2282, 0.2979, 0.3115**.

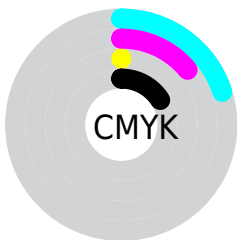
Distribution



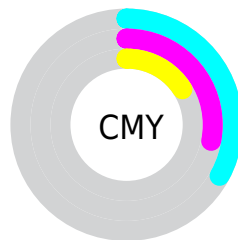
- Red (67%)
- Green (72%)
- Blue (84%)



- Red (67%)
- Yellow (71%)
- Blue (84%)



- Cyan (20%)
- Magenta (14%)
- Yellow (0%)
- Black (16%)



- Cyan (33%)
- Magenta (28%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9067, 0.2812, 0.2910 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 47.9067, 0.2812, 0.2910 by changing the saturation by 10% instead.

■ 47.9067, 0.2812,
0.2910

■ 47.9067, 0.2812,
0.2910

378.4222, 0.2968,
0.3097

■ 33.7530, 0.2774,
0.2864

■ 87.0655, 0.2868,
0.2977

■ 22.7039, 0.2725,
0.2807

112.8393, 0.2889,
0.3002

■ 14.3750, 0.2661,
0.2731

143.2554, 0.2908,
0.3024

■ 8.3820, 0.2572,
0.2628

178.6980, 0.2923,
0.3043

■ 4.3403, 0.2444,
0.2479

219.5516, 0.2936,
0.3059

■ 1.8657, 0.2243,
0.2248

266.2006, 0.2948,

■ 0.5276, 0.1832,

0.3073

0.1744

319.0293, 0.2959,
0.3086

0.0000, 0.0000,
0.0000

47.9067, 0.2812,
0.2910

47.9067, 0.2812,
0.2910

39.6657, 0.2635,
0.2683

57.2282, 0.2979,
0.3115

32.4590, 0.2452,
0.2435

67.6625, 0.3133,
0.3296

26.2455, 0.2267,
0.2171

79.2478, 0.3274,
0.3456

20.9790, 0.2088,
0.1898

91.5193, 0.3384,
0.3598

16.6093, 0.1924,
0.1628

97.6353, 0.3370,
0.3691

■ 13.0809, 0.1784,
0.1372

■ 10.3312, 0.1675,
0.1144

■ 8.2705, 0.1599,
0.0955

■ 8.2032, 0.1597,
0.0948

Harmonies

Analogous

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



47.9067, 0.2704, 0.2988



47.9067, 0.2812, 0.2910



47.9067, 0.3006, 0.2929

Triad

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



47.9067, 0.2812, 0.2910



47.9067, 0.3570, 0.3400



47.9067, 0.3006, 0.3566

Complementary

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



47.9067, 0.2812, 0.2910



59.5245, 0.3446, 0.3643

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.



47.9067, 0.3237, 0.3683



47.9067, 0.2812, 0.2910



47.9067, 0.3567, 0.3576

Square

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



47.9067, 0.2812, 0.2910



47.9067, 0.3448, 0.3205



47.9067, 0.3443, 0.3684



47.9067, 0.2813, 0.3367

Rectangle

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



47.9067, 0.2812, 0.2910



47.9067, 0.3160, 0.2992



47.9067, 0.3443, 0.3684



47.9067, 0.3081, 0.3617

Sweetspot

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



47.9087, 0.2812, 0.2910



90.4351, 0.3035, 0.3182



61.1039, 0.2913, 0.3446



19.1420, 0.3025, 0.3170



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.



47.9087, 0.2812, 0.2910



65.3868, 0.2731, 0.2808



44.1176, 0.2869, 0.2763



12.5804, 0.2982, 0.3119



5.1126, 0.1604, 0.0973



0.4492, 0.1700, 0.1320

Inverse Universe

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



47.2673, 0.3405, 0.3147



64.4714, 0.3489, 0.3112



64.1401, 0.3355, 0.3786



12.4785, 0.3247, 0.3224



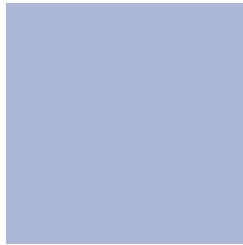
8.8610, 0.5799, 0.2968



0.5487, 0.5299, 0.2693

Previews

White Background



This preview shows how the Yxy color 47.9067, 0.2812, 0.2910 looks on a white background.

Color Contrast Check

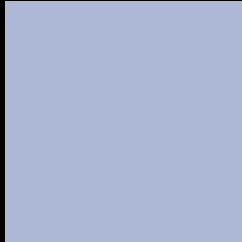
Large Text (above 18pt) WCAG AA × Fail

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 47.9067, 0.2812, 0.2910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

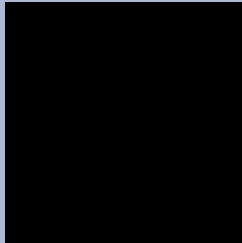
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.9067, 0.2812, 0.2910

Background



This preview shows how black text looks on a background with the Yxy color 47.9067, 0.2812, 0.2910.



This preview shows how white text looks on a background with the Yxy color 47.9067, 0.2812, 0.2910.

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

47.9067, 0.2812, 0.2910

Protanopia

47.7250, 0.2863, 0.2901

Deuteranopia

47.7113, 0.2918, 0.2848



Tritanopia

47.8809, 0.2888, 0.3095

Trichromacy



Original Color

47.9067, 0.2812, 0.2910

Protanomaly

47.9012, 0.2848, 0.2912

Deuteranomaly

47.8991, 0.2879, 0.2869

Tritanomaly

47.8121, 0.2860, 0.3020

Monochromacy



Original Color

47.9067, 0.2812, 0.2910

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.9244, 0.3010, 0.3149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9067, 0.2812, 0.2910 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(172, 184, 214)` looks like.

```
.text, #text, p{  
    color:rgb(172, 184, 214)  
}
```

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(172, 184, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 184, 214) }
```

Border

The CSS property to change the border of an element to Yxy 47.9067, 0.2812, 0.2910 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(172, 184, 214) }
```

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

```
.border{ border-color:rgb(172, 184, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 184, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 184, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 184, 214);  
box-shadow:4px 4px 4px 4px rgb(172, 184,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9067, 0.2812, 0.2910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 184, 214) }
```

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

```
.background{ background-color: rgb(172,  
184, 214) }
```

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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