

Converting Colors

$Yxy(48.3712, 0.2800, 0.2900)$

Have a look what the booklet for
Yxy(48.3712, 0.2800, 0.2900)
contains.

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Color

Yxy(48.4264, 0.2799, 0.2899)

Conversions

Conversions Part 1

Format	Color
Hex	ACB9D8
RGB	172, 185, 216
RGB Percent	67%, 73%, 85%
CMY	0.3256, 0.2745, 0.1529
CMYK	0.20, 0.14, 0.00, 0.15
HSL	222°, 36%, 76%
HSV	222°, 20%, 85%
XYZ	46.7559, 48.4264, 71.8628
YIQ	184.6470, -17.6990, 6.8850

Conversions

Conversions Part 2

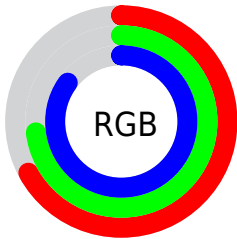
Format	Color
RYB	172, 182, 216
Decimal	11319768
CIELab	75.09, 2.06, -17.07
CIELCh	75, 17.199, 276.878
Yxy	48.4264, 0.2799, 0.2899
Android (android.graphics.Color)	4289509848 (0xFFACB9D8)
YUV	184.6470, 15.4570, -11.0914
Hunter-Lab	69.5891, -1.8492, -12.5149

Details

The Yxy color $48.4264, 0.2799, 0.2899$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $60.2917, 0.3461, 0.3653$, and the grayscale version is $48.2295, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.6246, 0.2962, 0.3148$, and $22.9977, 0.2710, 0.2795$ is the 20% darker color. If you saturate the color by 10%, you get $40.1509, 0.2622, 0.2673$, and if you desaturate by 10%, it is $57.7843, 0.2966, 0.3102$.

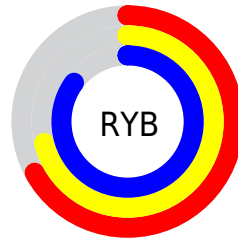
Distribution



Red (67%)

Green (73%)

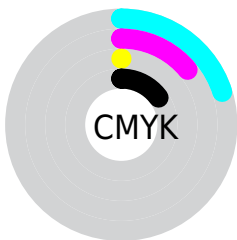
Blue (85%)



Red (67%)

Yellow (71%)

Blue (85%)

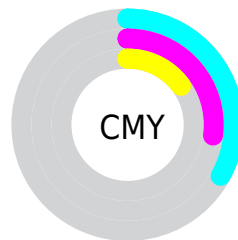


Cyan (20%)

Magenta (14%)

Yellow (0%)

Black (15%)



Cyan (33%)

Magenta (27%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4264, 0.2799, 0.2899 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 48.4264, 0.2799, 0.2899 by changing the saturation by 10% instead.

■ 48.4264, 0.2799,
0.2899

■ 48.4264, 0.2799,
0.2899

380.4798, 0.2961,
0.3091

■ 34.1647, 0.2759,
0.2852

■ 87.8389, 0.2857,
0.2968

■ 23.0201, 0.2709,
0.2793

113.7585, 0.2879,
0.2994

■ 14.6084, 0.2643,
0.2716

144.3329, 0.2898,
0.3016

■ 8.5450, 0.2552,
0.2611

179.9464, 0.2914,
0.3035

■ 4.4456, 0.2421,
0.2460

220.9835, 0.2928,
0.3052

■ 1.9258, 0.2216,
0.2227

267.8284, 0.2940,

■ 0.5638, 0.1816,

0.3066

0.1747

320.8658, 0.2951,
0.3079

0.0000, 0.0000,
0.0000

48.4264, 0.2799,
0.2899

48.4264, 0.2799,
0.2899

40.1509, 0.2622,
0.2673

57.7843, 0.2966,
0.3102

32.9114, 0.2439,
0.2428

68.2570, 0.3121,
0.3283

26.6666, 0.2256,
0.2166

79.8828, 0.3264,
0.3443

21.3702, 0.2079,
0.1897

92.0471, 0.3371,
0.3585

16.9717, 0.1918,
0.1630

97.7390, 0.3357,
0.3671

■ 13.4151, 0.1781,
0.1377

■ 10.6371, 0.1675,
0.1152

■ 8.6124, 0.1603,
0.0971

Harmonies

Analogous

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



48.4264, 0.2690, 0.2981



48.4264, 0.2799, 0.2899



48.4264, 0.2997, 0.2917

Triad

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



48.4264, 0.2799, 0.2899



48.4264, 0.3582, 0.3399



48.4264, 0.3007, 0.3578

Complementary

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



48.4264, 0.2799, 0.2899



60.2917, 0.3461, 0.3653

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.



48.4264, 0.3244, 0.3698



48.4264, 0.2799, 0.2899



48.4264, 0.3583, 0.3581

Square

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



48.4264, 0.2799, 0.2899



48.4264, 0.3454, 0.3198



48.4264, 0.3457, 0.3695



48.4264, 0.2806, 0.3374

Rectangle

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



48.4264, 0.2799, 0.2899



48.4264, 0.3156, 0.2980



48.4264, 0.3457, 0.3695



48.4264, 0.3085, 0.3630

Sweetspot

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



48.4284, 0.2799, 0.2899



90.5293, 0.3035, 0.3184



62.1946, 0.2905, 0.3452



19.1642, 0.3025, 0.3171



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.



48.4284, 0.2799, 0.2899



65.6988, 0.2732, 0.2815



44.2563, 0.2858, 0.2740



12.6013, 0.2982, 0.3121



5.2607, 0.1610, 0.0997



0.4602, 0.1707, 0.1345

Inverse Universe

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



47.6041, 0.3415, 0.3136



64.5029, 0.3483, 0.3105



65.3973, 0.3364, 0.3807



12.4806, 0.3245, 0.3221



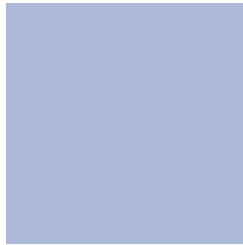
8.8759, 0.5764, 0.2949



0.5498, 0.5265, 0.2674

Previews

White Background



This preview shows how the Yxy color 48.4264, 0.2799, 0.2899 looks on a white background.

Color Contrast Check

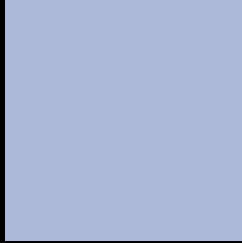
Large Text (above 18pt) WCAG AA × Fail

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 48.4264, 0.2799, 0.2899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

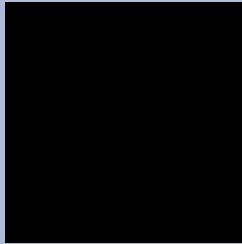
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.4264, 0.2799, 0.2899

Background



This preview shows how black text looks on a background with the Yxy color 48.4264, 0.2799, 0.2899.



This preview shows how white text looks on a background with the Yxy color 48.4264, 0.2799, 0.2899.

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

48.4264, 0.2799, 0.2899

Protanopia

48.3570, 0.2857, 0.2891

Deuteranopia

48.2171, 0.2904, 0.2838



Tritanopia

48.2399, 0.2874, 0.3095

Trichromacy



Original Color

48.4264, 0.2799, 0.2899

Protanomaly

48.4174, 0.2835, 0.2902

Deuteranomaly

48.4107, 0.2866, 0.2858

Tritanomaly

48.1689, 0.2846, 0.3020

Monochromacy



Original Color

48.4264, 0.2799, 0.2899

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.3867, 0.3003, 0.3149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4264, 0.2799, 0.2899 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, 185, 216)` looks like.

```
.text, #text, p{  
    color:rgb(172, 185, 216)  
}
```

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, 185, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 185, 216) }
```

Border

The CSS property to change the border of an element to Yxy 48.4264, 0.2799, 0.2899 is called "border". The border property can be set on classes, ids or directly on the HTML element.

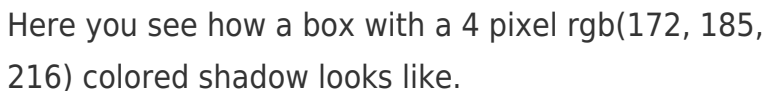
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 185, 216) }
```

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

```
.border{ border-color:rgb(172, 185, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(172, 185, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 185, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 185, 216); box-shadow:4px 4px 4px 4px rgb(172, 185, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4264, 0.2799, 0.2899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 185, 216) }
```

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

```
.background{ background-color: rgb(172,  
185, 216) }
```

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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