

Converting Colors

$Y_{xy}(49.4800, 0.2900, 0.3075)$

Have a look what the booklet for
Yxy(49.4800, 0.2900, 0.3075)
contains.

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Color

Yxy(49.4882, 0.2899, 0.3073)

Conversions

Conversions Part 1

Format	Color
Hex	AFBCCD
RGB	175, 188, 205
RGB Percent	69%, 74%, 80%
CMY	0.3137, 0.2628, 0.1960
CMYK	0.15, 0.08, 0.00, 0.20
HSL	214°, 23%, 75%
HSV	214°, 15%, 80%
XYZ	46.6861, 49.4882, 64.8677
YIQ	186.0510, -13.2050, 2.5310

Conversions

Conversions Part 2

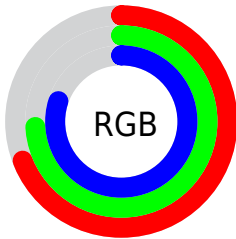
Format	Color
RYB	175, 184, 205
Decimal	11517133
CIELab	75.75, -0.99, -10.09
CIELCh	76, 10.139, 264.419
Yxy	49.4882, 0.2899, 0.3073
Android (android.graphics.Color)	4289707213 (0xFFAFBCCD)
YUV	186.0510, 9.3419, -9.6917
Hunter-Lab	70.3479, -4.6479, -5.4278

Details

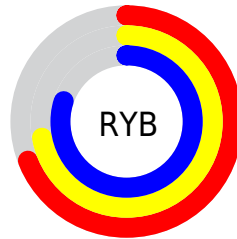
The Yxy color $49.4882, 0.2899, 0.3073$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $53.7968, 0.3367, 0.3498$, and the grayscale version is $49.0877, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.9103, 0.2981, 0.3179$, and $23.6999, 0.2832, 0.3013$ is the 20% darker color. If you saturate the color by 10%, you get $42.5237, 0.2734, 0.2904$, and if you desaturate by 10%, it is $57.2176, 0.3057, 0.3225$.

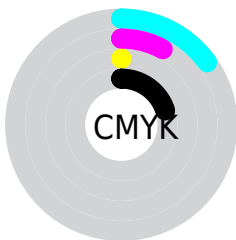
Distribution



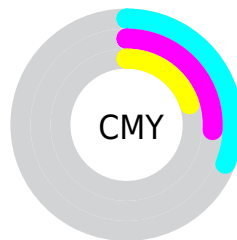
- Red (69%)
- Green (74%)
- Blue (80%)



- Red (69%)
- Yellow (72%)
- Blue (80%)



- Cyan (15%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)



- Cyan (31%)
- Magenta (26%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4882, 0.2899, 0.3073 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 49.4882, 0.2899, 0.3073 by changing the saturation by 10% instead.

■ 49.4882, 0.2899,
0.3073

■ 49.4882, 0.2899,
0.3073

384.6611, 0.3011,
0.3180

■ 35.0069, 0.2871,
0.3047

■ 89.4161, 0.2939,
0.3112

■ 23.6682, 0.2836,
0.3013

115.6315, 0.2955,
0.3126

■ 15.0877, 0.2790,
0.2969

146.5271, 0.2968,
0.3139

■ 8.8809, 0.2727,
0.2907

182.4872, 0.2979,
0.3149

■ 4.6636, 0.2634,
0.2818

223.8963, 0.2989,
0.3159

■ 2.0513, 0.2488,
0.2675

271.1387, 0.2997,

■ 0.6370, 0.2164,

0.3167

0.2371

324.5988, 0.3005,
0.3174

0.0000, 0.0000,
0.0000

49.4882, 0.2899,
0.3073

49.4882, 0.2899,
0.3073

42.5237, 0.2734,
0.2904

57.2176, 0.3057,
0.3225

36.2924, 0.2566,
0.2718

65.7301, 0.3206,
0.3361

30.7691, 0.2397,
0.2517

75.0507, 0.3345,
0.3480

25.9248, 0.2234,
0.2304

84.8159, 0.3461,
0.3586

21.7281, 0.2081,
0.2084

91.6782, 0.3439,
0.3698

■ 18.1443, 0.1945,
0.1864

■ 97.1893, 0.3424,
0.3780

■ 15.1347, 0.1833,
0.1649

■ 12.6540, 0.1746,
0.1449

■ 11.5055, 0.1708,
0.1349

Harmonies

Analogous

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



49.4882, 0.2860, 0.3148



49.4882, 0.2899, 0.3073



49.4882, 0.2998, 0.3056

Triad

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



49.4882, 0.2899, 0.3073



49.4882, 0.3369, 0.3308



49.4882, 0.3116, 0.3492

Complementary

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



49.4882, 0.2899, 0.3073



53.7968, 0.3367, 0.3498

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.



49.4882, 0.3253, 0.3534



49.4882, 0.2899, 0.3073



49.4882, 0.3402, 0.3424

Square

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



49.4882, 0.2899, 0.3073



49.4882, 0.3270, 0.3190



49.4882, 0.3359, 0.3507



49.4882, 0.2983, 0.3392

Rectangle

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



49.4882, 0.2899, 0.3073



49.4882, 0.3087, 0.3079



49.4882, 0.3359, 0.3507



49.4882, 0.3163, 0.3513

Sweetspot

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



49.4903, 0.2899, 0.3073



94.4797, 0.3066, 0.3234



56.5991, 0.2993, 0.3454



20.0054, 0.3054, 0.3223



0.0000, 0.0000, 0.0000



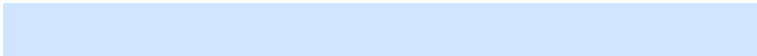
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.4903, 0.2899, 0.3073



76.8058, 0.2841, 0.3014



44.4216, 0.2909, 0.2905



11.6290, 0.2983, 0.3155



7.3417, 0.1715, 0.1375



0.5286, 0.1822, 0.1760

Inverse Universe

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



47.2782, 0.3285, 0.3132



72.5649, 0.3331, 0.3091



59.4734, 0.3329, 0.3652



11.2929, 0.3223, 0.3190



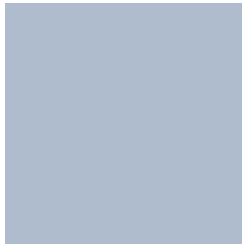
8.5441, 0.5224, 0.2652



0.4559, 0.4734, 0.2381

Previews

White Background



This preview shows how the Yxy color 49.4882, 0.2899, 0.3073 looks on a white background.

Color Contrast Check

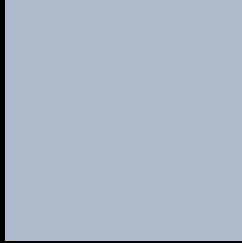
Large Text (above 18pt) WCAG AA × Fail

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 49.4882, 0.2899, 0.3073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

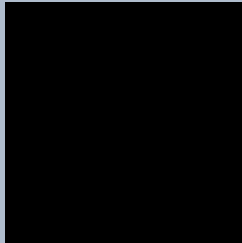
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

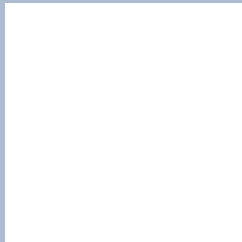
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.4882, 0.2899, 0.3073

Background



This preview shows how black text looks on a background with the Yxy color 49.4882, 0.2899, 0.3073.



This preview shows how white text looks on a background with the Yxy color 49.4882, 0.2899, 0.3073.

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

49.4882, 0.2899, 0.3073

Protanopia

49.3240, 0.2991, 0.3065

Deuteranopia

49.1061, 0.3050, 0.2985



Tritanopia

49.3922, 0.2913, 0.3098

Trichromacy



Original Color

49.4882, 0.2899, 0.3073

Protanomaly

49.3012, 0.2952, 0.3063

Deuteranomaly

49.4286, 0.2993, 0.3018

Tritanomaly

49.4400, 0.2906, 0.3086

Monochromacy



Original Color

49.4882, 0.2899, 0.3073

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.3360, 0.3041, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4882, 0.2899, 0.3073 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(175, 188, 205)` looks like.

```
.text, #text, p{  
    color:rgb(175, 188, 205)  
}
```

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(175, 188, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 188, 205) }
```

Border

The CSS property to change the border of an element to Yxy 49.4882, 0.2899, 0.3073 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(175, 188, 205) }
```

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

```
.border{ border-color:rgb(175, 188, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 188, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 188, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 188, 205);  
box-shadow:4px 4px 4px 4px rgb(175, 188,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4882, 0.2899, 0.3073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 188, 205) }
```

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

```
.background{ background-color: rgb(175,  
188, 205) }
```

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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