

Converting Colors

$Y_{xy}(46.9381, 0.2986, 0.3071)$

Have a look what the booklet for
Yxy(46.9381, 0.2986, 0.3071)
contains.

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Color

Yxy(46.8283, 0.2988, 0.3072)

Conversions

Conversions Part 1

Format	Color
Hex	B4B5C6
RGB	180, 181, 198
RGB Percent	71%, 71%, 78%
CMY	0.2939, 0.2902, 0.2236
CMYK	0.09, 0.09, 0.00, 0.22
HSL	237°, 14%, 74%
HSV	237°, 9%, 78%
XYZ	45.5478, 46.8283, 60.0597
YIQ	182.6390, -6.0530, 5.0750

Conversions

Conversions Part 2

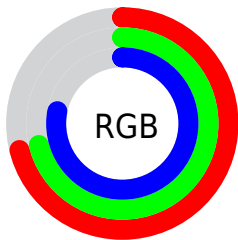
Format	Color
RYB	180, 181, 198
Decimal	11843014
CIELab	74.08, 3.00, -8.71
CIELCh	74, 9.214, 288.987
Yxy	46.8283, 0.2988, 0.3072
Android (android.graphics.Color)	4290033094 (0xFFB4B5C6)
YUV	182.6390, 7.5730, -2.3144
Hunter-Lab	68.4312, -0.9449, -4.1350

Details

The Yxy color $46.8283, 0.2988, 0.3072$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $55.2618, 0.3262, 0.3499$, and the grayscale version is $47.1110, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.6212, 0.3012, 0.3110$, and $21.9640, 0.2948, 0.3010$ is the 20% darker color. If you saturate the color by 10%, you get $37.4957, 0.2816, 0.2801$, and if you desaturate by 10%, it is $57.5325, 0.3141, 0.3311$.

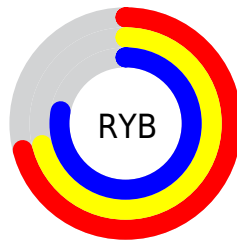
Distribution



Red (71%)

Green (71%)

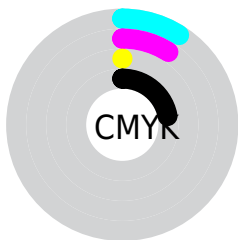
Blue (78%)



Red (71%)

Yellow (71%)

Blue (78%)

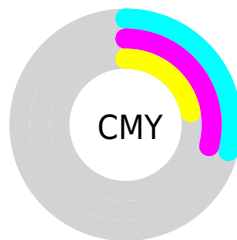


Cyan (9%)

Magenta (9%)

Yellow (0%)

Black (22%)



Cyan (29%)

Magenta (29%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8283, 0.2988, 0.3072 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 46.8283, 0.2988, 0.3072 by changing the saturation by 10% instead.

■ 46.8283, 0.2988,
0.3072

■ 46.8283, 0.2988,
0.3072

374.1288, 0.3058,
0.3180

■ 32.8999, 0.2971,
0.3045

■ 85.4573, 0.3013,
0.3111

■ 22.0498, 0.2948,
0.3011

110.9267, 0.3023,
0.3126

■ 13.8935, 0.2918,
0.2966

141.0119, 0.3031,
0.3138

■ 8.0466, 0.2877,
0.2904

176.0973, 0.3038,
0.3149

■ 4.1248, 0.2815,
0.2812

216.5673, 0.3044,
0.3158

■ 1.7436, 0.2712,
0.2665

262.8063, 0.3049,

■ 0.4517, 0.2437,

0.3166

0.2191

315.1986, 0.3054,
0.3174

0.0000, 0.0000,
0.0000

46.8283, 0.2988,
0.3072

46.8283, 0.2988,
0.3072

37.4957, 0.2816,
0.2801

57.5325, 0.3141,
0.3311

29.4735, 0.2627,
0.2499

69.6542, 0.3275,
0.3519

22.7049, 0.2423,
0.2173

83.2448, 0.3391,
0.3699

17.1266, 0.2214,
0.1833

96.8569, 0.3466,
0.3850

12.6696, 0.2010,
0.1497

■ 9.2579, 0.1825,
0.1188

■ 6.8062, 0.1675,
0.0930

■ 5.2156, 0.1570,
0.0744

■ 4.3538, 0.1512,
0.0636

Harmonies

Analogous

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



46.8283, 0.2905, 0.3098



46.8283, 0.2988, 0.3072



46.8283, 0.3110, 0.3102

Triad

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



46.8283, 0.2988, 0.3072



46.8283, 0.3381, 0.3396



46.8283, 0.3014, 0.3404

Complementary

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



46.8283, 0.2988, 0.3072



55.2618, 0.3262, 0.3499

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.



46.8283, 0.3140, 0.3488



46.8283, 0.2988, 0.3072



46.8283, 0.3354, 0.3481

Square

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



46.8283, 0.2988, 0.3072



46.8283, 0.3339, 0.3286



46.8283, 0.3265, 0.3516



46.8283, 0.2920, 0.3288

Rectangle

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



46.8283, 0.2988, 0.3072



46.8283, 0.3197, 0.3150



46.8283, 0.3265, 0.3516



46.8283, 0.3054, 0.3437

Sweetspot

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



46.8303, 0.2988, 0.3072



94.0381, 0.3082, 0.3220



54.1172, 0.2997, 0.3305



19.7953, 0.3070, 0.3200



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.



46.8303, 0.2988, 0.3072



79.2562, 0.2953, 0.3018



47.4112, 0.3052, 0.3064



10.3746, 0.2983, 0.3064



2.8361, 0.1511, 0.0637



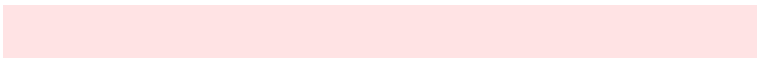
0.1659, 0.1547, 0.0768

Inverse Universe

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



48.0054, 0.3276, 0.3279



81.7951, 0.3315, 0.3276



54.6584, 0.3197, 0.3514



10.6457, 0.3281, 0.3278



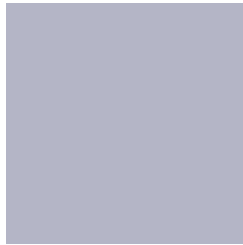
7.8263, 0.6337, 0.3265



0.3738, 0.6121, 0.3145

Previews

White Background



This preview shows how the Yxy color 46.8283, 0.2988, 0.3072 looks on a white background.

Color Contrast Check

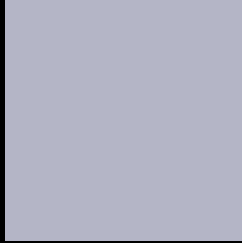
Large Text (above 18pt) WCAG AA × Fail

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 46.8283, 0.2988, 0.3072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

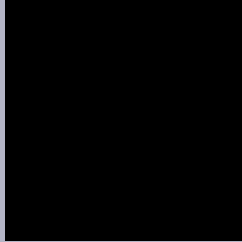
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

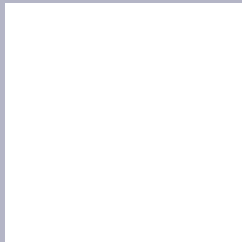
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8283, 0.2988, 0.3072

Background



This preview shows how black text looks on a background with the Yxy color 46.8283, 0.2988, 0.3072.

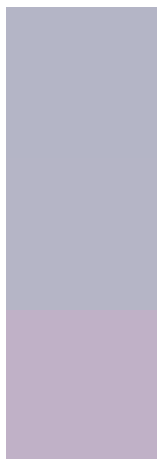


This preview shows how white text looks on a background with the Yxy color 46.8283, 0.2988, 0.3072.

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

46.8283, 0.2988, 0.3072

Protanopia

46.9487, 0.2996, 0.3073

Deuteranopia

46.7743, 0.3080, 0.3016



Tritanopia

46.7366, 0.3003, 0.3097

Trichromacy



Original Color

46.8283, 0.2988, 0.3072

Protanomaly

46.9487, 0.2996, 0.3073

Deuteranomaly

46.6557, 0.3046, 0.3026

Tritanomaly

46.7823, 0.2995, 0.3085

Monochromacy



Original Color

46.8283, 0.2988, 0.3072

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.0318, 0.3080, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8283, 0.2988, 0.3072 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(180, 181, 198)` looks like.

```
.text, #text, p{  
    color:rgb(180, 181, 198)  
}
```

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(180, 181, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 181, 198) }
```

Border

The CSS property to change the border of an element to Yxy 46.8283, 0.2988, 0.3072 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(180, 181, 198) }
```

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

```
.border{ border-color:rgb(180, 181, 198) }
```

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

Here you see how a box with a 4 pixel rgb(180, 181, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 181, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 181, 198);  
box-shadow:4px 4px 4px 4px rgb(180, 181,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8283, 0.2988, 0.3072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 181, 198) }
```

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

```
.background{ background-color: rgb(180,  
181, 198) }
```

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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