

Converting Colors

$Y_{xy}(48.1078, 0.2980, 0.3099)$

Have a look what the booklet for
Yxy(48.1078, 0.2980, 0.3099)
contains.

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Color

Yxy(48.1078, 0.2980, 0.3099)

Conversions

Conversions Part 1

Format	Color
Hex	B4B8C7
RGB	180, 184, 199
RGB Percent	71%, 72%, 78%
CMY	0.2943, 0.2783, 0.2197
CMYK	0.10, 0.08, 0.00, 0.22
HSL	227°, 15%, 74%
HSV	227°, 10%, 78%
XYZ	46.2605, 48.1078, 60.8682
YIQ	184.5140, -7.1990, 3.8170

Conversions

Conversions Part 2

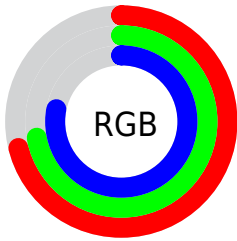
Format	Color
RYP	180, 183, 199
Decimal	11843783
CIE Lab	74.89, 1.52, -8.04
CIE LCh	75, 8.187, 280.724
Yxy	48.1078, 0.2980, 0.3099
Android (android.graphics.Color)	4290033863 (0xFFB4B8C7)
YUV	184.5140, 7.1416, -3.9588
Hunter-Lab	69.3598, -2.3265, -3.4794

Details

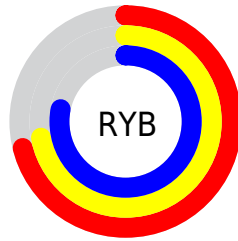
The Yxy color `48.1078, 0.2980, 0.3099` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `54.4212, 0.3273, 0.3474`, and the grayscale version is `48.1911, 0.3127, 0.3290`.

A 20% lighter version of the original color is `87.3730, 0.3012, 0.3140`, and `22.7890, 0.2939, 0.3047` is the 20% darker color. If you saturate the color by 10%, you get `39.7484, 0.2812, 0.2874`, and if you desaturate by 10%, it is `57.5323, 0.3134, 0.3298`.

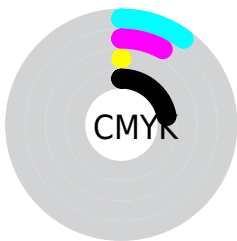
Distribution



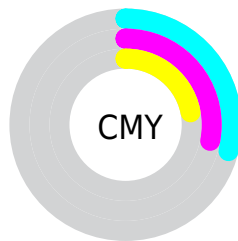
- Red (71%)
- Green (72%)
- Blue (78%)



- Red (71%)
- Yellow (72%)
- Blue (78%)



- Cyan (10%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)



- Cyan (29%)
- Magenta (28%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1078, 0.2980, 0.3099 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 48.1078, 0.2980, 0.3099 by changing the saturation by 10% instead.

■ 48.1078, 0.2980,
0.3099

■ 48.1078, 0.2980,
0.3099

379.2193, 0.3053,
0.3194

■ 33.9123, 0.2962,
0.3076

■ 87.3649, 0.3007,
0.3133

■ 22.8262, 0.2939,
0.3046

113.1952, 0.3016,
0.3146

■ 14.4652, 0.2908,
0.3007

143.6726, 0.3025,
0.3157

■ 8.4449, 0.2865,
0.2952

179.1815, 0.3032,
0.3166

■ 4.3810, 0.2802,
0.2873

220.1062, 0.3038,
0.3174

■ 1.8889, 0.2699,
0.2744

266.8311, 0.3044,

■ 0.5417, 0.2444,

0.3182

0.2399

319.7407, 0.3049,
0.3188

0.0000, 0.0000,
0.0000

48.1078, 0.2980,
0.3099

48.1078, 0.2980,
0.3099

39.7484, 0.2812,
0.2874

57.5323, 0.3134,
0.3298

32.4103, 0.2632,
0.2625

68.0518, 0.3272,
0.3473

26.0554, 0.2443,
0.2353

79.7023, 0.3397,
0.3625

20.6410, 0.2251,
0.2065

91.6454, 0.3477,
0.3763

16.1210, 0.2064,
0.1770

96.9027, 0.3460,
0.3840

■ 12.4454, 0.1892,
0.1483

■ 9.5587, 0.1747,
0.1219

■ 7.3986, 0.1636,
0.0995

■ 5.8761, 0.1562,
0.0820

Harmonies

Analogous

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



48.1078, 0.2919, 0.3136



48.1078, 0.2980, 0.3099



48.1078, 0.3081, 0.3112

Triad

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



48.1078, 0.2980, 0.3099



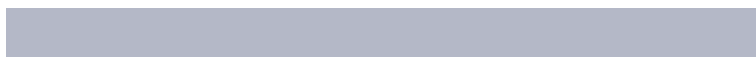
48.1078, 0.3346, 0.3358



48.1078, 0.3057, 0.3414

Complementary

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



48.1078, 0.2980, 0.3099



54.4212, 0.3273, 0.3474

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.



48.1078, 0.3171, 0.3476



48.1078, 0.2980, 0.3099



48.1078, 0.3339, 0.3441

Square

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



48.1078, 0.2980, 0.3099



48.1078, 0.3293, 0.3260



48.1078, 0.3274, 0.3485



48.1078, 0.2963, 0.3318

Rectangle

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



48.1078, 0.2980, 0.3099



48.1078, 0.3157, 0.3147



48.1078, 0.3274, 0.3485



48.1078, 0.3094, 0.3440

Sweetspot

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



48.1098, 0.2980, 0.3099



94.8016, 0.3082, 0.3232



54.4689, 0.3010, 0.3342



20.0004, 0.3069, 0.3216



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.



48.1098, 0.2980, 0.3099



81.7949, 0.2954, 0.3065



47.1007, 0.3024, 0.3049



10.6494, 0.2983, 0.3103



3.8498, 0.1565, 0.0834



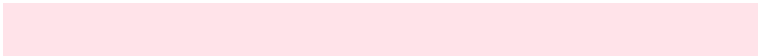
0.2914, 0.1675, 0.1230

Inverse Universe

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



48.2225, 0.3259, 0.3240



82.0514, 0.3284, 0.3231



55.5463, 0.3224, 0.3526



10.6735, 0.3256, 0.3241



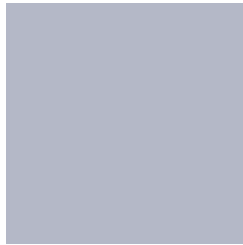
7.9286, 0.6016, 0.3088



0.3864, 0.5423, 0.2761

Previews

White Background



This preview shows how the Yxy color 48.1078, 0.2980, 0.3099 looks on a white background.

Color Contrast Check

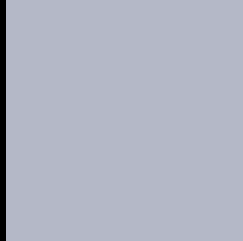
Large Text (above 18pt) WCAG AA × Fail

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 48.1078, 0.2980, 0.3099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

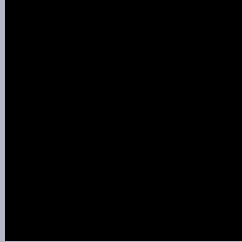
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

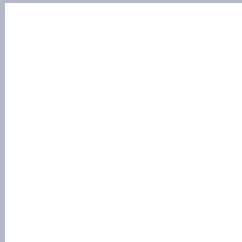
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1078, 0.2980, 0.3099

Background



This preview shows how black text looks on a background with the Yxy color 48.1078, 0.2980, 0.3099.

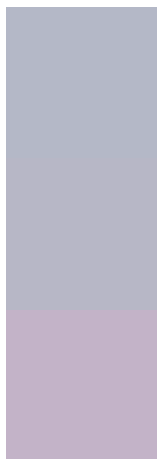


This preview shows how white text looks on a background with the Yxy color 48.1078, 0.2980, 0.3099.

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

48.1078, 0.2980, 0.3099

Protanopia

48.0115, 0.3012, 0.3100

Deuteranopia

48.0124, 0.3097, 0.3031



Tritanopia

48.1078, 0.2980, 0.3099

Trichromacy



Original Color

48.1078, 0.2980, 0.3099

Protanomaly

47.8893, 0.3004, 0.3099

Deuteranomaly

48.1650, 0.3054, 0.3053

Tritanomaly

48.1078, 0.2980, 0.3099

Monochromacy



Original Color

48.1078, 0.2980, 0.3099

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.4829, 0.3072, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1078, 0.2980, 0.3099 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, 184, 199)` looks like.

```
.text, #text, p{  
    color:rgb(180, 184, 199)  
}
```

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, 184, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 184, 199) }
```

Border

The CSS property to change the border of an element to Yxy 48.1078, 0.2980, 0.3099 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, 184, 199) }
```

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

```
.border{ border-color:rgb(180, 184, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 184, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 184, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 184, 199);  
box-shadow:4px 4px 4px 4px rgb(180, 184,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1078, 0.2980, 0.3099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 184, 199) }
```

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

```
.background{ background-color: rgb(180,  
184, 199) }
```

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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