

Converting Colors

$Y_{xy}(48.7551, 0.2925, 0.3072)$

Have a look what the booklet for
Yxy(48.7551, 0.2925, 0.3072)
contains.

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Color

Yxy(48.7767, 0.2928, 0.3073)

Conversions

Conversions Part 1

Format	Color
Hex	B1BACB
RGB	177, 186, 203
RGB Percent	69%, 73%, 80%
CMY	0.3058, 0.2706, 0.2039
CMYK	0.13, 0.08, 0.00, 0.20
HSL	219°, 20%, 75%
HSV	219°, 13%, 80%
XYZ	46.4752, 48.7767, 63.4748
YIQ	185.2470, -10.8210, 3.3790

Conversions

Conversions Part 2

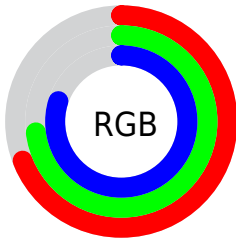
Format	Color
RYP	177, 184, 203
Decimal	11647691
CIELab	75.31, 0.32, -9.64
CIElCh	75, 9.645, 271.921
Yxy	48.7767, 0.2928, 0.3073
Android (android.graphics.Color)	4289837771 (0xFFB1BACB)
YUV	185.2470, 8.7522, -7.2326
Hunter-Lab	69.8403, -3.4379, -4.9978

Details

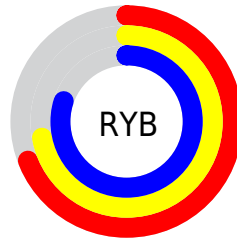
The Yxy color $48.7767, 0.2928, 0.3073$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $54.4778, 0.3331, 0.3498$, and the grayscale version is $48.6185, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.0479, 0.2993, 0.3160$, and $23.2301, 0.2869, 0.3013$ is the 20% darker color. If you saturate the color by 10%, you get $41.2257, 0.2761, 0.2880$, and if you desaturate by 10%, it is $57.2076, 0.3085, 0.3245$.

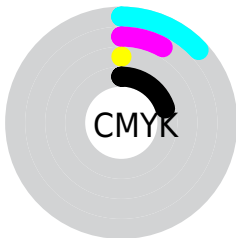
Distribution



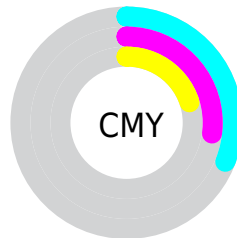
- Red (69%)
- Green (73%)
- Blue (80%)



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



- Cyan (13%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)



- Cyan (31%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7767, 0.2928, 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 48.7767, 0.2928, 0.3073 by changing the saturation by 10% instead.

■ 48.7767, 0.2928,
0.3073

■ 48.7767, 0.2928,
0.3073

381.8626, 0.3027,
0.3180

■ 34.4424, 0.2904,
0.3047

■ 88.3597, 0.2964,
0.3112

■ 23.2337, 0.2873,
0.3013

114.3772, 0.2977,
0.3126

■ 14.7661, 0.2832,
0.2969

145.0579, 0.2988,
0.3139

■ 8.6554, 0.2775,
0.2907

180.7861, 0.2998,
0.3149

■ 4.5171, 0.2693,
0.2818

221.9463, 0.3007,
0.3159

■ 1.9668, 0.2560,
0.2674

268.9228, 0.3014,

■ 0.5881, 0.2255,

0.3167

0.2340

322.1001, 0.3021,
0.3174

0.0000, 0.0000,
0.0000

48.7767, 0.2928,
0.3073

48.7767, 0.2928,
0.3073

41.2257, 0.2761,
0.2880

57.2076, 0.3085,
0.3245

34.5188, 0.2587,
0.2668

66.5405, 0.3231,
0.3398

28.6265, 0.2409,
0.2437

76.8044, 0.3365,
0.3532

23.5150, 0.2233,
0.2193

87.4071, 0.3465,
0.3652

19.1482, 0.2066,
0.1941

95.4874, 0.3440,
0.3777

■ 15.4865, 0.1915,
0.1691

■ 97.0926, 0.3436,
0.3800

■ 12.4858, 0.1789,
0.1452

■ 10.0959, 0.1692,
0.1237

■ 8.7021, 0.1639,
0.1099

Harmonies

Analogous

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



48.7767, 0.2875, 0.3132



48.7767, 0.2928, 0.3073



48.7767, 0.3034, 0.3072

Triad

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



48.7767, 0.2928, 0.3073



48.7767, 0.3373, 0.3336



48.7767, 0.3083, 0.3463

Complementary

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



48.7767, 0.2928, 0.3073



54.4778, 0.3331, 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.



48.7767, 0.3216, 0.3519



48.7767, 0.2928, 0.3073



48.7767, 0.3386, 0.3442

Square

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



48.7767, 0.2928, 0.3073



48.7767, 0.3292, 0.3221



48.7767, 0.3328, 0.3510



48.7767, 0.2963, 0.3358

Rectangle

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



48.7767, 0.2928, 0.3073



48.7767, 0.3122, 0.3102



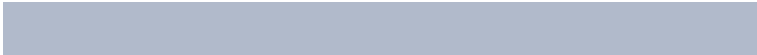
48.7767, 0.3328, 0.3510



48.7767, 0.3128, 0.3489

Sweetspot

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



48.7787, 0.2928, 0.3073



93.9287, 0.3066, 0.3225



55.9611, 0.2995, 0.3404



19.8662, 0.3054, 0.3212



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.



48.7787, 0.2928, 0.3073



78.5006, 0.2889, 0.3029



45.5811, 0.2957, 0.2959



11.4666, 0.2983, 0.3134



5.6911, 0.1646, 0.1124



0.4346, 0.1757, 0.1526

Inverse Universe

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



47.6979, 0.3282, 0.3180



76.4674, 0.3316, 0.3159



58.0532, 0.3285, 0.3607



11.2765, 0.3237, 0.3210



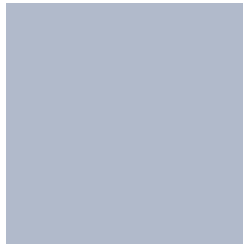
8.3775, 0.5576, 0.2845



0.4464, 0.5025, 0.2542

Previews

White Background



This preview shows how the Yxy color 48.7767, 0.2928, 0.3073 looks on a white background.

Color Contrast Check

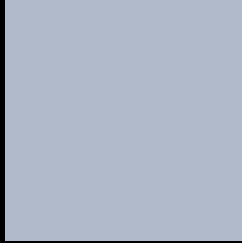
Large Text (above 18pt) WCAG AA × Fail

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 48.7767, 0.2928, 0.3073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

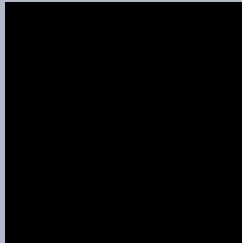
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

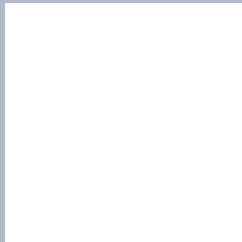
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7767, 0.2928, 0.3073

Background



This preview shows how black text looks on a background with the Yxy color 48.7767, 0.2928, 0.3073.



This preview shows how white text looks on a background with the Yxy color 48.7767, 0.2928, 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

48.7767, 0.2928, 0.3073

Protanopia

48.7356, 0.2990, 0.3064

Deuteranopia

48.6043, 0.3065, 0.2996



Tritanopia

48.6820, 0.2942, 0.3098

Trichromacy



Original Color

48.7767, 0.2928, 0.3073

Protanomaly

48.7859, 0.2966, 0.3075

Deuteranomaly

48.5069, 0.3008, 0.3016

Tritanomaly

48.7292, 0.2935, 0.3086

Monochromacy



Original Color

48.7767, 0.2928, 0.3073

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.4488, 0.3049, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7767, 0.2928, 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(177, 186, 203)` looks like.

```
.text, #text, p{  
    color:rgb(177, 186, 203)  
}
```

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(177, 186, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 186, 203) }
```

Border

The CSS property to change the border of an element to Yxy 48.7767, 0.2928, 0.3073 is called "border". The border property can be set on classes, ids or directly on the HTML element.

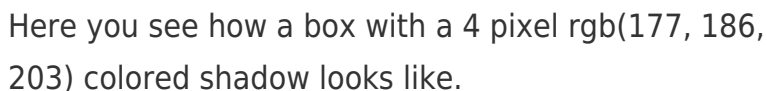
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 186, 203) }
```

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

```
.border{ border-color:rgb(177, 186, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 186, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 186, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 186, 203);  
box-shadow:4px 4px 4px 4px rgb(177, 186,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7767, 0.2928, 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(177, 186, 203) }
```

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

```
.background{ background-color: rgb(177,  
186, 203) }
```

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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