

Converting Colors

$Y_{xy}(48.7251, 0.2972, 0.3037)$

Have a look what the booklet for
Yxy(48.7251, 0.2972, 0.3037)
contains.

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Color

Yxy(48.8310, 0.2975, 0.3039)

Conversions

Conversions Part 1

Format	Color
Hex	B8B8CC
RGB	184, 184, 204
RGB Percent	72%, 72%, 80%
CMY	0.2786, 0.2784, 0.1999
CMYK	0.10, 0.10, 0.00, 0.20
HSL	240°, 16%, 76%
HSV	240°, 10%, 80%
XYZ	47.8026, 48.8310, 64.0475
YIQ	186.2800, -6.4200, 6.2200

Conversions

Conversions Part 2

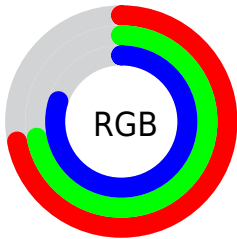
Format	Color
R_YB	184, 184, 204
Decimal	12105932
CIE Lab	75.35, 3.89, -10.08
CIE LCh	75, 10.808, 291.111
Yxy	48.8310, 0.2975, 0.3039
Android (android.graphics.Color)	4290296012 (0xFFB8B8CC)
YUV	186.2800, 8.7360, -1.9996
Hunter-Lab	69.8792, -0.1811, -5.4266

Details

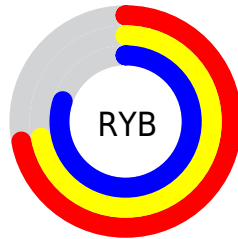
The Yxy color **48.8310, 0.2975, 0.3039** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.4756, 0.3272, 0.3529**, and the grayscale version is **49.2198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0654, 0.3037, 0.3142**, and **23.2599, 0.2932, 0.2968** is the 20% darker color. If you saturate the color by 10%, you get **38.6353, 0.2800, 0.2750**, and if you desaturate by 10%, it is **60.6109, 0.3130, 0.3294**.

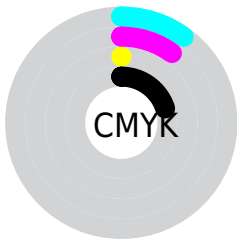
Distribution



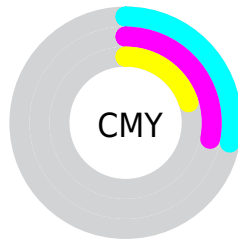
- Red (72%)
- Green (72%)
- Blue (80%)



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



- Cyan (10%)
- Magenta (10%)
- Yellow (0%)
- Black (20%)



- Cyan (28%)
- Magenta (28%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8310, 0.2975, 0.3039 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 48.8310, 0.2975, 0.3039 by changing the saturation by 10% instead.

■ 48.8310, 0.2975,
0.3039

■ 48.8310, 0.2975,
0.3039

382.0766, 0.3051,
0.3162

■ 34.4854, 0.2956,
0.3009

■ 88.4404, 0.3002,
0.3083

■ 23.2668, 0.2932,
0.2971

114.4730, 0.3013,
0.3100

■ 14.7906, 0.2900,
0.2921

145.1701, 0.3021,
0.3114

■ 8.6726, 0.2856,
0.2852

180.9161, 0.3029,
0.3127

■ 4.5282, 0.2791,
0.2752

222.0954, 0.3036,
0.3137

■ 1.9732, 0.2686,
0.2595

269.0923, 0.3041,

■ 0.5918, 0.2479,

0.3147

0.2232

322.2912, 0.3046,
0.3155

0.0000, 0.0000,
0.0000

48.8310, 0.2975,
0.3039

48.8310, 0.2975,
0.3039

38.6353, 0.2800,
0.2750

60.6109, 0.3130,
0.3294

29.9506, 0.2605,
0.2429

74.0321, 0.3264,
0.3516

22.7067, 0.2396,
0.2084

89.1563, 0.3380,
0.3707

16.8259, 0.2181,
0.1729

97.1408, 0.3430,
0.3790

12.2229, 0.1974,
0.1386

■ 8.8029, 0.1790,
0.1081

■ 6.4578, 0.1645,
0.0841

■ 5.0601, 0.1550,
0.0683

■ 4.3808, 0.1501,
0.0603

Harmonies

Analogous

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



48.8310, 0.2875, 0.3064



48.8310, 0.2975, 0.3039



48.8310, 0.3118, 0.3078

Triad

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



48.8310, 0.2975, 0.3039



48.8310, 0.3422, 0.3420



48.8310, 0.2987, 0.3413

Complementary

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



48.8310, 0.2975, 0.3039



59.4756, 0.3272, 0.3529

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.



48.8310, 0.3131, 0.3515



48.8310, 0.2975, 0.3039



48.8310, 0.3384, 0.3515

Square

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



48.8310, 0.2975, 0.3039



48.8310, 0.3378, 0.3294



48.8310, 0.3277, 0.3552



48.8310, 0.2882, 0.3278

Rectangle

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



48.8310, 0.2975, 0.3039



48.8310, 0.3218, 0.3135



48.8310, 0.3277, 0.3552



48.8310, 0.3033, 0.3453

Sweetspot

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



48.8331, 0.2975, 0.3039



93.8045, 0.3082, 0.3216



57.7285, 0.2979, 0.3294



19.7326, 0.3070, 0.3196



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.



48.8331, 0.2975, 0.3039



76.6961, 0.2936, 0.2975



50.0521, 0.3053, 0.3044



10.8481, 0.2982, 0.3051



2.7524, 0.1501, 0.0602



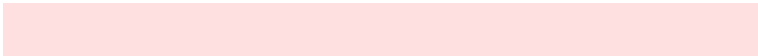
0.1435, 0.1502, 0.0607

Inverse Universe

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



50.5689, 0.3298, 0.3290



80.1940, 0.3344, 0.3290



58.1698, 0.3196, 0.3535



11.2141, 0.3290, 0.3290



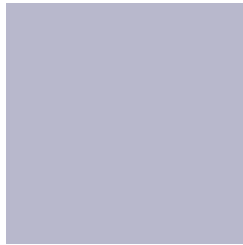
8.0808, 0.6398, 0.3298



0.4170, 0.6388, 0.3293

Previews

White Background



This preview shows how the Yxy color 48.8310, 0.2975, 0.3039 looks on a white background.

Color Contrast Check

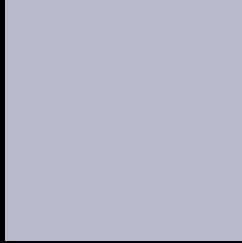
Large Text (above 18pt) WCAG AA × Fail

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 48.8310, 0.2975, 0.3039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

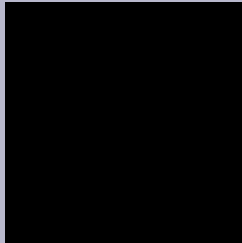
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

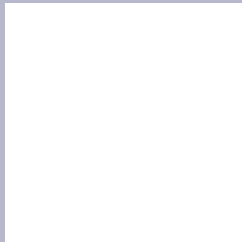
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8310, 0.2975, 0.3039

Background



This preview shows how black text looks on a background with the Yxy color 48.8310, 0.2975, 0.3039.

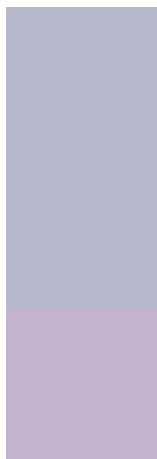


This preview shows how white text looks on a background with the Yxy color 48.8310, 0.2975, 0.3039.

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

48.8310, 0.2975, 0.3039

Protanopia

48.7079, 0.2967, 0.3039

Deuteranopia

48.6524, 0.3058, 0.2984



Tritanopia

48.8887, 0.3004, 0.3113

Trichromacy



Original Color

48.8310, 0.2975, 0.3039

Protanomaly

48.7079, 0.2967, 0.3039

Deuteranomaly

48.5319, 0.3025, 0.2994

Tritanomaly

48.9822, 0.2990, 0.3088

Monochromacy



Original Color

48.8310, 0.2975, 0.3039

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.8625, 0.3066, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8310, 0.2975, 0.3039 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(184, 184, 204)` looks like.

```
.text, #text, p{  
    color:rgb(184, 184, 204)  
}
```

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(184, 184, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 184, 204) }
```

Border

The CSS property to change the border of an element to Yxy 48.8310, 0.2975, 0.3039 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(184, 184, 204) }
```

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

```
.border{ border-color:rgb(184, 184, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 184, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 184, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 184, 204);  
box-shadow:4px 4px 4px 4px rgb(184, 184,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8310, 0.2975, 0.3039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 184, 204) }
```

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

```
.background{ background-color: rgb(184,  
184, 204) }
```

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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