

Converting Colors

$Y_{xy}(47.7768, 0.2940, 0.3021)$

Have a look what the booklet for
Yxy(47.7768, 0.2940, 0.3021)
contains.

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Color

Yxy(47.9299, 0.2943, 0.3024)

Conversions

Conversions Part 1

Format	Color
Hex	B4B7CC
RGB	180, 183, 204
RGB Percent	71%, 72%, 80%
CMY	0.2943, 0.2823, 0.2000
CMYK	0.12, 0.10, 0.00, 0.20
HSL	232°, 19%, 75%
HSV	232°, 12%, 80%
XYZ	46.6461, 47.9299, 63.9224
YIQ	184.4970, -8.5290, 5.8950

Conversions

Conversions Part 2

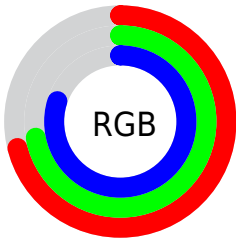
Format	Color
R _Y B	180, 183, 204
Decimal	11843532
CIE Lab	74.78, 3.10, -10.95
CIE LCh	75, 11.377, 285.793
Yxy	47.9299, 0.2943, 0.3024
Android (android.graphics.Color)	4290033612 (0xFFB4B7CC)
YUV	184.4970, 9.6150, -3.9439
Hunter-Lab	69.2314, -0.8870, -6.2813

Details

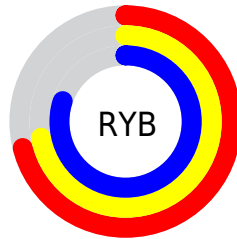
The Yxy color $47.9299, 0.2943, 0.3024$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $57.8739, 0.3306, 0.3543$, and the grayscale version is $48.1684, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.7859, 0.3012, 0.3130$, and $22.6793, 0.2889, 0.2946$ is the 20% darker color. If you saturate the color by 10%, you get $38.7778, 0.2769, 0.2767$, and if you desaturate by 10%, it is $58.3745, 0.3101, 0.3252$.

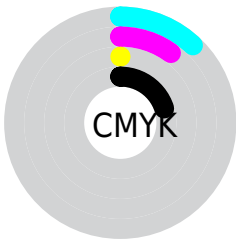
Distribution



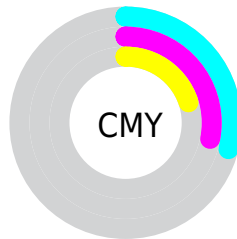
- Red (71%)
- Green (72%)
- Blue (80%)



- Red (71%)
- Yellow (72%)
- Blue (80%)



- Cyan (12%)
- Magenta (10%)
- Yellow (0%)
- Black (20%)



- Cyan (29%)
- Magenta (28%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9299, 0.2943, 0.3024 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 47.9299, 0.2943, 0.3024 by changing the saturation by 10% instead.

■ 47.9299, 0.2943,
0.3024

■ 47.9299, 0.2943,
0.3024

378.5142, 0.3035,
0.3155

■ 33.7714, 0.2920,
0.2992

■ 87.1000, 0.2976,
0.3071

■ 22.7180, 0.2891,
0.2951

112.8804, 0.2989,
0.3089

■ 14.3854, 0.2853,
0.2897

143.3035, 0.2999,
0.3104

■ 8.3892, 0.2799,
0.2823

178.7538, 0.3008,
0.3117

■ 4.3450, 0.2720,
0.2716

219.6156, 0.3016,
0.3129

■ 1.8684, 0.2592,
0.2545

266.2734, 0.3023,

■ 0.5293, 0.2314,

0.3138

0.2116

319.1114, 0.3029,
0.3147

0.0000, 0.0000,
0.0000

47.9299, 0.2943,
0.3024

47.9299, 0.2943,
0.3024

38.7778, 0.2769,
0.2767

58.3745, 0.3101,
0.3252

30.8621, 0.2580,
0.2482

70.1532, 0.3241,
0.3452

24.1313, 0.2380,
0.2175

83.3128, 0.3366,
0.3626

18.5279, 0.2179,
0.1856

96.6327, 0.3431,
0.3783

13.9897, 0.1985,
0.1539

97.1399, 0.3430,
0.3790

■ 10.4483, 0.1812,
0.1244

■ 7.8273, 0.1672,
0.0991

■ 6.0386, 0.1575,
0.0799

■ 5.1007, 0.1525,
0.0690

Harmonies

Analogous

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



47.9299, 0.2848, 0.3062



47.9299, 0.2943, 0.3024



47.9299, 0.3088, 0.3054

Triad

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



47.9299, 0.2943, 0.3024



47.9299, 0.3437, 0.3405



47.9299, 0.3004, 0.3444

Complementary

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



47.9299, 0.2943, 0.3024



57.8739, 0.3306, 0.3543

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.



47.9299, 0.3160, 0.3541



47.9299, 0.2943, 0.3024



47.9299, 0.3412, 0.3514

Square

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



47.9299, 0.2943, 0.3024



47.9299, 0.3376, 0.3270



47.9299, 0.3310, 0.3566



47.9299, 0.2883, 0.3303

Rectangle

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



47.9299, 0.2943, 0.3024



47.9299, 0.3196, 0.3108



47.9299, 0.3310, 0.3566



47.9299, 0.3054, 0.3483

Sweetspot

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



47.9319, 0.2943, 0.3024



92.5703, 0.3067, 0.3203



57.0930, 0.2970, 0.3329



19.5234, 0.3055, 0.3186



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.



47.9319, 0.2943, 0.3024



75.5616, 0.2903, 0.2965



47.7707, 0.3014, 0.2991



11.0710, 0.2982, 0.3081



3.2863, 0.1529, 0.0705



0.2476, 0.1605, 0.0976

Inverse Universe

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



48.8793, 0.3312, 0.3253



77.4538, 0.3355, 0.3245



58.1082, 0.3231, 0.3585



11.2366, 0.3270, 0.3261



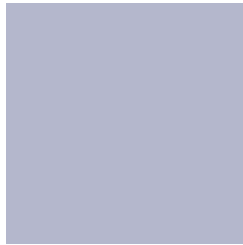
8.1347, 0.6225, 0.3203



0.4275, 0.5794, 0.2966

Previews

White Background



This preview shows how the Yxy color 47.9299, 0.2943, 0.3024 looks on a white background.

Color Contrast Check

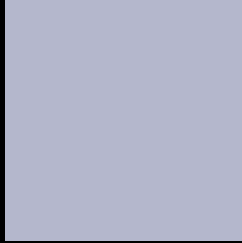
Large Text (above 18pt) WCAG AA × Fail

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 47.9299, 0.2943, 0.3024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

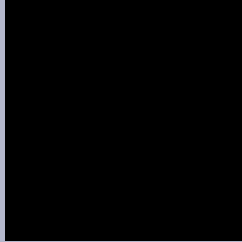
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

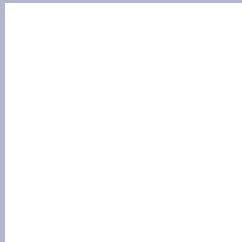
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.9299, 0.2943, 0.3024

Background



This preview shows how black text looks on a background with the Yxy color 47.9299, 0.2943, 0.3024.



This preview shows how white text looks on a background with the Yxy color 47.9299, 0.2943, 0.3024.

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

47.9299, 0.2943, 0.3024

Protanopia

48.0504, 0.2951, 0.3025

Deuteranopia

47.8544, 0.3033, 0.2970



Tritanopia

47.9419, 0.2980, 0.3111

Trichromacy



Original Color

47.9299, 0.2943, 0.3024

Protanomaly

48.0504, 0.2951, 0.3025

Deuteranomaly

47.7417, 0.3000, 0.2979

Tritanomaly

48.0348, 0.2965, 0.3086

Monochromacy



Original Color

47.9299, 0.2943, 0.3024

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.1098, 0.3065, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9299, 0.2943, 0.3024 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, 183, 204)` looks like.

```
.text, #text, p{  
    color:rgb(180, 183, 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(180, 183, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 183, 204) }
```

Border

The CSS property to change the border of an element to Yxy 47.9299, 0.2943, 0.3024 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, 183, 204) }
```

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

```
.border{ border-color:rgb(180, 183, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 183, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 183, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 183, 204);  
box-shadow:4px 4px 4px 4px rgb(180, 183,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9299, 0.2943, 0.3024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 183, 204) }
```

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

```
.background{ background-color: rgb(180,  
183, 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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