

Converting Colors

$Y_{xy}(46.4103, 0.2975, 0.2982)$

Have a look what the booklet for
Yxy(46.4103, 0.2975, 0.2982)
contains.

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Color

Yxy(46.6193, 0.2974, 0.2987)

Conversions

Conversions Part 1

Format	Color
Hex	B7B3CB
RGB	183, 179, 203
RGB Percent	72%, 70%, 80%
CMY	0.2826, 0.2979, 0.2040
CMYK	0.10, 0.12, 0.00, 0.20
HSL	250°, 19%, 75%
HSV	250°, 12%, 80%
XYZ	46.4164, 46.6193, 63.0383
YIQ	182.9320, -5.3200, 8.3120

Conversions

Conversions Part 2

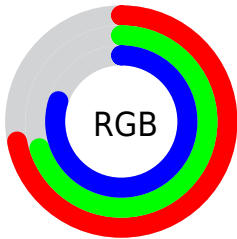
Format	Color
R_{YB}	183, 179, 203
Decimal	12039115
CIE _{Lab}	73.95, 6.05, -11.61
CIE _{LCh}	74, 13.093, 297.511
Yxy	46.6193, 0.2974, 0.2987
Android (android.graphics.Color)	4290229195 (0xFFB7B3CB)
YUV	182.9320, 9.8935, 0.0596
Hunter-Lab	68.2783, 1.8593, -6.9449

Details

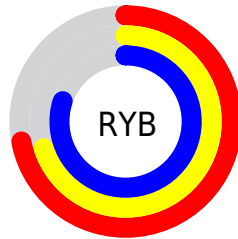
The Yxy color **46.6193, 0.2974, 0.2987** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.1074, 0.3270, 0.3581**, and the grayscale version is **47.2585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9874, 0.3032, 0.3091**, and **21.8375, 0.2929, 0.2896** is the 20% darker color. If you saturate the color by 10%, you get **37.1170, 0.2824, 0.2698**, and if you desaturate by 10%, it is **57.5741, 0.3105, 0.3246**.

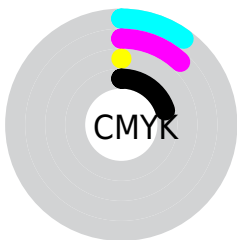
Distribution



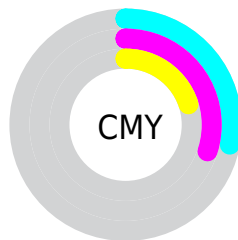
- Red (72%)
- Green (70%)
- Blue (80%)



- Red (72%)
- Yellow (70%)
- Blue (80%)



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



- Cyan (28%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6193, 0.2974, 0.2987 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 46.6193, 0.2974, 0.2987 by changing the saturation by 10% instead.

■ 46.6193, 0.2974,
0.2987

■ 46.6193, 0.2974,
0.2987

373.2929, 0.3051,
0.3136

■ 32.7348, 0.2955,
0.2951

■ 85.1451, 0.3002,
0.3041

■ 21.9234, 0.2930,
0.2904

110.5551, 0.3013,
0.3061

■ 13.8006, 0.2896,
0.2843

140.5759, 0.3022,
0.3078

■ 7.9821, 0.2850,
0.2759

175.5916, 0.3029,
0.3093

■ 4.0835, 0.2780,
0.2637

215.9868, 0.3036,
0.3106

■ 1.7204, 0.2665,
0.2444

262.1458, 0.3042,

■ 0.4368, 0.2421,

0.3117

0.1879

314.4530, 0.3047,
0.3127

0.0000, 0.0000,
0.0000

46.6193, 0.2974,
0.2987

46.6193, 0.2974,
0.2987

37.1170, 0.2824,
0.2698

57.5741, 0.3105,
0.3246

29.0004, 0.2656,
0.2383

70.0330, 0.3219,
0.3476

22.2061, 0.2472,
0.2049

84.0521, 0.3316,
0.3677

16.6633, 0.2280,
0.1711

96.3102, 0.3408,
0.3805

12.2948, 0.2087,
0.1386

97.0908, 0.3436,
0.3800

■ 9.0146, 0.1907,
0.1098

■ 6.7247, 0.1753,
0.0869

■ 5.3089, 0.1635,
0.0714

■ 4.6383, 0.1567,
0.0637

Harmonies

Analogous

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



46.6193, 0.2838, 0.2999



46.6193, 0.2974, 0.2987



46.6193, 0.3155, 0.3051

Triad

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



46.6193, 0.2974, 0.2987



46.6193, 0.3489, 0.3478



46.6193, 0.2922, 0.3408

Complementary

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



46.6193, 0.2974, 0.2987



58.1074, 0.3270, 0.3581

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.



46.6193, 0.3092, 0.3548



46.6193, 0.2974, 0.2987



46.6193, 0.3421, 0.3584

Square

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



46.6193, 0.2974, 0.2987



46.6193, 0.3456, 0.3328



46.6193, 0.3275, 0.3612



46.6193, 0.2809, 0.3237

Rectangle

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



46.6193, 0.2974, 0.2987



46.6193, 0.3277, 0.3128



46.6193, 0.3275, 0.3612



46.6193, 0.2974, 0.3460

Sweetspot

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



46.6213, 0.2974, 0.2987



92.0819, 0.3077, 0.3191



54.9220, 0.2947, 0.3245



19.4005, 0.3068, 0.3171



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.



46.6213, 0.2974, 0.2987



74.0711, 0.2940, 0.2921



48.1086, 0.3070, 0.2996



10.9308, 0.3007, 0.3052



2.9791, 0.1575, 0.0641



0.1820, 0.1742, 0.0733

Inverse Universe

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



49.0693, 0.3172, 0.3048



78.9288, 0.3182, 0.2998



56.5741, 0.3178, 0.3590



11.3710, 0.3162, 0.3098



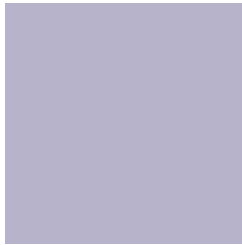
9.9324, 0.3668, 0.1794



0.5210, 0.3564, 0.1737

Previews

White Background



This preview shows how the Yxy color 46.6193, 0.2974, 0.2987 looks on a white background.

Color Contrast Check

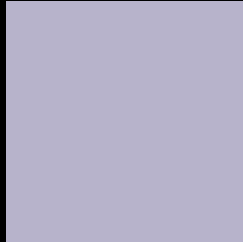
Large Text (above 18pt) WCAG AA × Fail

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 46.6193, 0.2974, 0.2987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

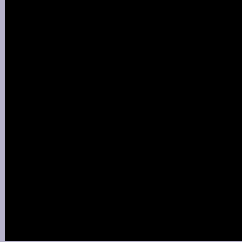
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

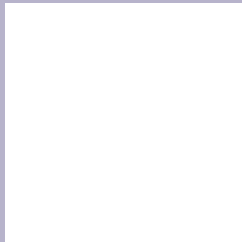
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6193, 0.2974, 0.2987

Background



This preview shows how black text looks on a background with the Yxy color 46.6193, 0.2974, 0.2987.



This preview shows how white text looks on a background with the Yxy color 46.6193, 0.2974, 0.2987.

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

46.6193, 0.2974, 0.2987

Protanopia

46.4671, 0.2927, 0.2984

Deuteranopia

46.5749, 0.3024, 0.2966



Tritanopia

46.5277, 0.3027, 0.3098

Trichromacy



Original Color

46.6193, 0.2974, 0.2987

Protanomaly

46.7054, 0.2943, 0.2985

Deuteranomaly

46.7174, 0.3007, 0.2977

Tritanomaly

46.6648, 0.3004, 0.3060

Monochromacy



Original Color

46.6193, 0.2974, 0.2987

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.2409, 0.3073, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6193, 0.2974, 0.2987 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(183, 179, 203)` looks like.

```
.text, #text, p{  
    color:rgb(183, 179, 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(183, 179, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 179, 203) }
```

Border

The CSS property to change the border of an element to Yxy 46.6193, 0.2974, 0.2987 is called "border". The border property can be set on classes, ids or directly on the HTML element.

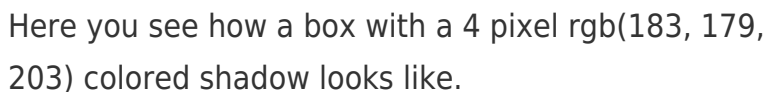
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 179, 203) }
```

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

```
.border{ border-color:rgb(183, 179, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 179, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 179, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 179, 203);  
box-shadow:4px 4px 4px 4px rgb(183, 179,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6193, 0.2974, 0.2987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 179, 203) }
```

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

```
.background{ background-color: rgb(183,  
179, 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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