

Converting Colors

$Y_{xy}(48.2693, 0.2897, 0.2826)$

Have a look what the booklet for
Yxy(48.2693, 0.2897, 0.2826)
contains.

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Color

Yxy(48.2693, 0.2897, 0.2826)

Conversions

Conversions Part 1

Format	Color
Hex	BBB4DA
RGB	187, 180, 218
RGB Percent	73%, 71%, 85%
CMY	0.2664, 0.2942, 0.1450
CMYK	0.14, 0.17, 0.00, 0.15
HSL	251°, 34%, 78%
HSV	251°, 17%, 85%
XYZ	49.4820, 48.2693, 73.0530
YIQ	186.4250, -8.0260, 13.3020

Conversions

Conversions Part 2

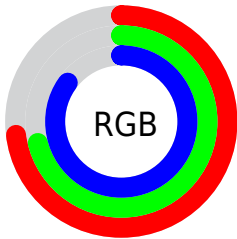
Format	Color
R _Y B	187, 180, 218
Decimal	12301530
CIE Lab	74.99, 10.01, -18.20
CIE LCh	75, 20.772, 298.812
Yxy	48.2693, 0.2897, 0.2826
Android (android.graphics.Color)	4290491610 (0xFFBBB4DA)
YUV	186.4250, 15.5665, 0.5043
Hunter-Lab	69.4761, 5.5474, -13.7092

Details

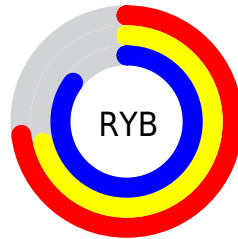
The Yxy color **48.2693, 0.2897, 0.2826** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **67.2902, 0.3334, 0.3729**, and the grayscale version is **49.2734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2656, 0.3057, 0.3103**, and **22.8096, 0.2826, 0.2700** is the 20% darker color. If you saturate the color by 10%, you get **38.0483, 0.2740, 0.2521**, and if you desaturate by 10%, it is **60.1555, 0.3036, 0.3103**.

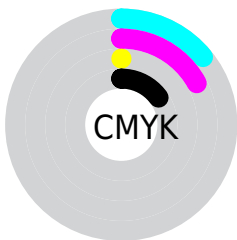
Distribution



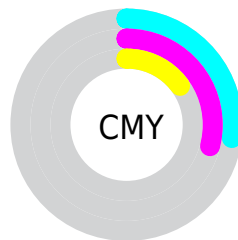
- Red (73%)
- Green (71%)
- Blue (85%)



- Red (73%)
- Yellow (71%)
- Blue (85%)



- Cyan (14%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)



- Cyan (27%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2693, 0.2897, 0.2826 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 48.2693, 0.2897, 0.2826 by changing the saturation by 10% instead.

■ 48.2693, 0.2897,
0.2826

■ 48.2693, 0.2897,
0.2826

379.8586, 0.3012,
0.3050

■ 34.0402, 0.2868,
0.2772

■ 87.6052, 0.2939,
0.2906

■ 22.9245, 0.2831,
0.2705

113.4808, 0.2955,
0.2936

■ 14.5378, 0.2783,
0.2617

144.0074, 0.2968,
0.2962

■ 8.4956, 0.2715,
0.2499

179.5694, 0.2979,
0.2985

■ 4.4137, 0.2616,
0.2333

220.5511, 0.2989,
0.3004

■ 1.9076, 0.2458,
0.2082

267.3369, 0.2998,

■ 0.5529, 0.2191,

0.3022

0.1574

320.3113, 0.3006,
0.3037

0.0000, 0.0000,
0.0000

48.2693, 0.2897,
0.2826

48.2693, 0.2897,
0.2826

38.0483, 0.2740,
0.2521

60.1555, 0.3036,
0.3103

29.4118, 0.2566,
0.2195

73.7706, 0.3156,
0.3350

22.2815, 0.2379,
0.1857

89.1826, 0.3260,
0.3569

16.5700, 0.2188,
0.1525

97.8431, 0.3345,
0.3651

12.1806, 0.2002,
0.1220

■ 9.0045, 0.1835,
0.0965

■ 6.9149, 0.1698,
0.0778

■ 5.7436, 0.1600,
0.0666

■ 5.5252, 0.1580,
0.0644

Harmonies

Analogous

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



48.2693, 0.2685, 0.2834



48.2693, 0.2897, 0.2826



48.2693, 0.3180, 0.2929

Triad

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



48.2693, 0.2897, 0.2826



48.2693, 0.3695, 0.3584



48.2693, 0.2796, 0.3464

Complementary

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



48.2693, 0.2897, 0.2826



67.2902, 0.3334, 0.3729

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.



48.2693, 0.3055, 0.3694



48.2693, 0.2897, 0.2826



48.2693, 0.3579, 0.3753

Square

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



48.2693, 0.2897, 0.2826



48.2693, 0.3651, 0.3353



48.2693, 0.3342, 0.3800



48.2693, 0.2629, 0.3190

Rectangle

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



48.2693, 0.2897, 0.2826



48.2693, 0.3372, 0.3048



48.2693, 0.3342, 0.3800



48.2693, 0.2875, 0.3550

Sweetspot

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



48.2713, 0.2897, 0.2826



90.2176, 0.3066, 0.3165



61.3771, 0.2861, 0.3206



19.0269, 0.3057, 0.3147



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.



48.2713, 0.2897, 0.2826



63.1127, 0.2840, 0.2715



50.8177, 0.3048, 0.2847



12.7331, 0.3010, 0.3050



3.3437, 0.1590, 0.0649



0.2516, 0.1738, 0.0731

Inverse Universe

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



52.2455, 0.3203, 0.2937



69.8385, 0.3222, 0.2859



64.6592, 0.3192, 0.3749



13.2311, 0.3166, 0.3102



10.8576, 0.3741, 0.1834



0.7144, 0.3639, 0.1778

Previews

White Background



This preview shows how the Yxy color 48.2693, 0.2897, 0.2826 looks on a white background.

Color Contrast Check

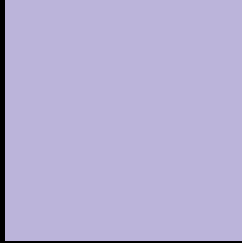
Large Text (above 18pt) WCAG AA × Fail

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 48.2693, 0.2897, 0.2826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

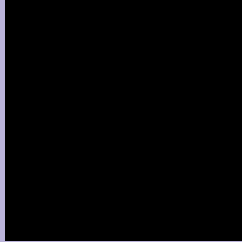
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.2693, 0.2897, 0.2826

Background



This preview shows how black text looks on a background with the Yxy color 48.2693, 0.2897, 0.2826.



This preview shows how white text looks on a background with the Yxy color 48.2693, 0.2897, 0.2826.

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

48.2693, 0.2897, 0.2826

Protanopia

48.3814, 0.2808, 0.2831

Deuteranopia

48.1436, 0.2889, 0.2825



Tritanopia

48.1345, 0.3020, 0.3100

Trichromacy



Original Color

48.2693, 0.2897, 0.2826

Protanomaly

48.3941, 0.2844, 0.2834

Deuteranomaly

48.1436, 0.2889, 0.2825

Tritanomaly

48.1780, 0.2976, 0.3002

Monochromacy



Original Color

48.2693, 0.2897, 0.2826

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.7973, 0.3036, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2693, 0.2897, 0.2826 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(187, 180, 218)` looks like.

```
.text, #text, p{  
    color:rgb(187, 180, 218)  
}
```

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(187, 180, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 180, 218) }
```

Border

The CSS property to change the border of an element to Yxy 48.2693, 0.2897, 0.2826 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(187, 180, 218) }
```

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

```
.border{ border-color:rgb(187, 180, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 180, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 180, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 180, 218);  
box-shadow:4px 4px 4px 4px rgb(187, 180,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2693, 0.2897, 0.2826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 180, 218) }
```

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

```
.background{ background-color: rgb(187,  
180, 218) }
```

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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