

Converting Colors

$Yxy(48.7424, 0.2911, 0.2829)$

Have a look what the booklet for
Yxy(48.7424, 0.2911, 0.2829)
contains.

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Color

Yxy(48.5233, 0.2912, 0.2829)

Conversions

Conversions Part 1

Format	Color
Hex	BDB4DA
RGB	189, 180, 218
RGB Percent	74%, 71%, 85%
CMY	0.2591, 0.2940, 0.1452
CMYK	0.13, 0.17, 0.00, 0.15
HSL	254°, 34%, 78%
HSV	254°, 17%, 85%
XYZ	49.9469, 48.5233, 73.0508
YIQ	187.0230, -6.8340, 13.7260

Conversions

Conversions Part 2

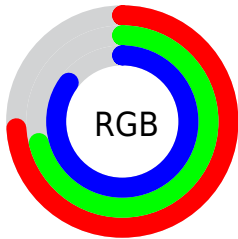
Format	Color
R _Y B	189, 180, 218
Decimal	12432602
CIE Lab	75.15, 10.58, -17.92
CIE LCh	75, 20.814, 300.552
Yxy	48.5233, 0.2912, 0.2829
Android (android.graphics.Color)	4290622682 (0xFFBDB4DA)
YUV	187.0230, 15.2717, 1.7338
Hunter-Lab	69.6587, 6.0861, -13.4162

Details

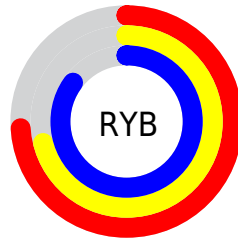
The Yxy color **48.5233, 0.2912, 0.2829** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **66.9983, 0.3320, 0.3730**, and the grayscale version is **49.6187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6234, 0.3070, 0.3103**, and **22.9740, 0.2847, 0.2704** is the 20% darker color. If you saturate the color by 10%, you get **38.3918, 0.2764, 0.2528**, and if you desaturate by 10%, it is **60.2885, 0.3042, 0.3104**.

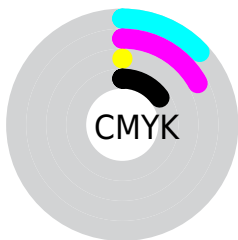
Distribution



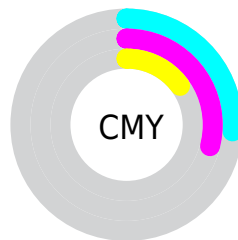
- Red (74%)
- Green (71%)
- Blue (85%)



- Red (74%)
- Yellow (71%)
- Blue (85%)



- Cyan (13%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)





- Cyan (26%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5233, 0.2912, 0.2829 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 48.5233, 0.2912, 0.2829 by changing the saturation by 10% instead.

 48.5233, 0.2912,
0.2829

 48.5233, 0.2912,
0.2829

380.8626, 0.3020,
0.3052

 34.2415, 0.2885,
0.2776


 87.9830, 0.2951,
0.2908

 23.0792, 0.2851,
0.2709

113.9297, 0.2966,
0.2938

 14.6520, 0.2805,
0.2622


144.5335, 0.2978,
0.2964

 8.5755, 0.2741,
0.2506

180.1788, 0.2989,
0.2986

 4.4654, 0.2648,
0.2341

221.2500, 0.2998,
0.3006

 1.9371, 0.2498,
0.2094

268.1314, 0.3007,

 0.5706, 0.2248,

0.3023

0.1602

321.2075, 0.3014,
0.3038

0.0000, 0.0000,
0.0000

48.5233, 0.2912,
0.2829

48.5233, 0.2912,
0.2829

38.3918, 0.2764,
0.2528

60.2885, 0.3042,
0.3104

29.8151, 0.2600,
0.2206

73.7495, 0.3155,
0.3351

22.7168, 0.2422,
0.1874

88.9725, 0.3251,
0.3570

17.0117, 0.2238,
0.1548

97.8411, 0.3346,
0.3651

12.6054, 0.2058,
0.1247

■ 9.3919, 0.1891,
0.0994

■ 7.2474, 0.1751,
0.0806

■ 6.0079, 0.1644,
0.0690

■ 5.7676, 0.1622,
0.0667

Harmonies

Analogous

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



48.5233, 0.2694, 0.2830



48.5233, 0.2912, 0.2829



48.5233, 0.3197, 0.2938

Triad

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



48.5233, 0.2912, 0.2829



48.5233, 0.3692, 0.3596



48.5233, 0.2783, 0.3448

Complementary

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



48.5233, 0.2912, 0.2829



66.9983, 0.3320, 0.3730

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.



48.5233, 0.3039, 0.3684



48.5233, 0.2912, 0.2829



48.5233, 0.3568, 0.3759

Square

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



48.5233, 0.2912, 0.2829



48.5233, 0.3659, 0.3367



48.5233, 0.3326, 0.3798



48.5233, 0.2623, 0.3175

Rectangle

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



48.5233, 0.2912, 0.2829



48.5233, 0.3388, 0.3059



48.5233, 0.3326, 0.3798



48.5233, 0.2861, 0.3535

Sweetspot

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



48.5253, 0.2912, 0.2829



90.3287, 0.3070, 0.3165



60.4315, 0.2861, 0.3183



19.0539, 0.3062, 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.



48.5253, 0.2912, 0.2829



63.5003, 0.2858, 0.2718



51.1057, 0.3064, 0.2850



12.7638, 0.3017, 0.3051



3.4970, 0.1633, 0.0673



0.2660, 0.1796, 0.0763

Inverse Universe

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



52.1651, 0.3218, 0.2958



69.6810, 0.3241, 0.2883



64.3972, 0.3178, 0.3750



13.2199, 0.3173, 0.3113



10.6164, 0.3904, 0.1924



0.7007, 0.3768, 0.1849

Previews

White Background



This preview shows how the Yxy color 48.5233, 0.2912, 0.2829 looks on a white background.

Color Contrast Check

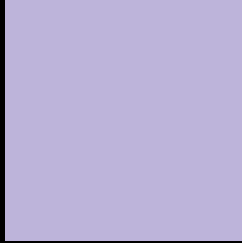
Large Text (above 18pt) WCAG AA × Fail

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 48.5233, 0.2912, 0.2829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

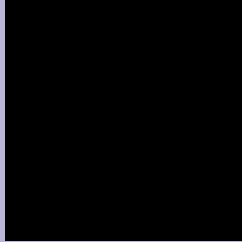
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5233, 0.2912, 0.2829

Background



This preview shows how black text looks on a background with the Yxy color 48.5233, 0.2912, 0.2829.



This preview shows how white text looks on a background with the Yxy color 48.5233, 0.2912, 0.2829.

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

48.5233, 0.2912, 0.2829

Protanopia

48.3814, 0.2808, 0.2831

Deuteranopia

48.6745, 0.2897, 0.2839



Tritanopia

48.7973, 0.3036, 0.3114

Trichromacy



Original Color

48.5233, 0.2912, 0.2829

Protanomaly

48.3941, 0.2844, 0.2834

Deuteranomaly

48.8011, 0.2905, 0.2840

Tritanomaly

48.8395, 0.2992, 0.3016

Monochromacy



Original Color

48.5233, 0.2912, 0.2829

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.0496, 0.3053, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5233, 0.2912, 0.2829 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(189, 180, 218)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 180, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 180, 218) }
```

Border

The CSS property to change the border of an element to Yxy 48.5233, 0.2912, 0.2829 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(189, 180, 218) }
```

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

```
.border{ border-color:rgb(189, 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(189, 180, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 180, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 180, 218);  
box-shadow:4px 4px 4px 4px rgb(189, 180,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5233, 0.2912, 0.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 180, 218) }
```

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

```
.background{ background-color: rgb(189,  
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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