

Converting Colors

$Y_{xy}(43.0227, 0.3070, 0.2955)$

Have a look what the booklet for
Yxy(43.0227, 0.3070, 0.2955)
contains.

Yxy(42.8809, 0.3072, 0.2958)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.8809, 0.3072, 0.2958)

Conversions

Conversions Part 1

Format	Color
Hex	BBA9C3
RGB	187, 169, 195
RGB Percent	73%, 66%, 76%
CMY	0.2666, 0.3373, 0.2353
CMYK	0.04, 0.13, 0.00, 0.24
HSL	282°, 18%, 71%
HSV	282°, 13%, 76%
XYZ	44.5335, 42.8809, 57.5514
YIQ	177.3460, 2.3820, 11.9020

Conversions

Conversions Part 2

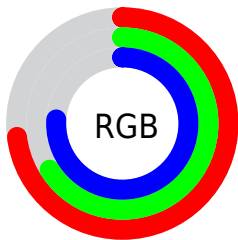
Format	Color
R_{YB}	187, 169, 195
Decimal	12298691
CIE _{Lab}	71.47, 11.30, -10.89
CIE _{LCh}	71, 15.695, 316.068
Yxy	42.8809, 0.3072, 0.2958
Android (android.graphics.Color)	4290488771 (0xFFBBA9C3)
YUV	177.3460, 8.7034, 8.4666
Hunter-Lab	65.4835, 6.7967, -6.2697

Details

The Yxy color $42.8809, 0.3072, 0.2958$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $51.2330, 0.3175, 0.3631$, and the grayscale version is $44.1118, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.3943, 0.3079, 0.3011$, and $19.7140, 0.3061, 0.2873$ is the 20% darker color. If you saturate the color by 10%, you get $35.4219, 0.3021, 0.2693$, and if you desaturate by 10%, it is $51.4569, 0.3115, 0.3210$.

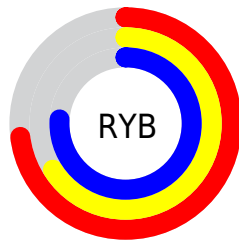
Distribution



Red (73%)

Green (66%)

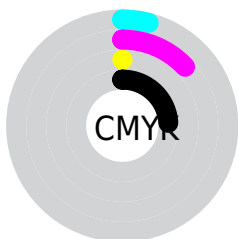
Blue (76%)



Red (73%)

Yellow (66%)

Blue (76%)

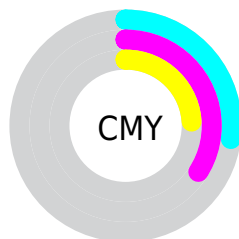


Cyan (4%)

Magenta (13%)

Yellow (0%)

Black (24%)



Cyan (27%)


Magenta (34%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8809, 0.3072, 0.2958 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 42.8809, 0.3072, 0.2958 by changing the saturation by 10% instead.


 42.8809, 0.3072,
0.2958


 42.8809, 0.3072,
0.2958


358.1217, 0.3101,
0.3123

 29.7917, 0.3064,
0.2917


 79.5311, 0.3083,
0.3017

 19.6805, 0.3054,
0.2866


 103.8609, 0.3087,
0.3040

 12.1630, 0.3039,
0.2797


132.7063, 0.3091,
0.3059

 6.8548, 0.3018,
0.2702

166.4517, 0.3093,
0.3075

 3.3715, 0.2984,
0.2563

205.4816, 0.3096,
0.3089

 1.3286, 0.2923,
0.2339

250.1803, 0.3098,

 0.1632, 0.2811,

0.3102

0.1064

300.9322, 0.3100,
0.3113

0.0000, 0.0000,
0.0000

42.8809, 0.3072,
0.2958

42.8809, 0.3072,
0.2958

35.4219, 0.3021,
0.2693

51.4569, 0.3115,
0.3210

29.0262, 0.2963,
0.2421

61.1895, 0.3150,
0.3445

23.6441, 0.2896,
0.2149

72.1232, 0.3179,
0.3661

19.2194, 0.2822,
0.1889

84.2983, 0.3202,
0.3859

15.6906, 0.2742,
0.1651

90.1988, 0.3233,
0.3930

■ 12.9886, 0.2660,
0.1448

■ 91.1315, 0.3271,
0.3922

■ 11.0341, 0.2577,
0.1287

■ 92.0977, 0.3310,
0.3914

■ 9.7317, 0.2496,
0.1175

■ 93.0979, 0.3350,
0.3907

■ 9.1058, 0.2444,
0.1120

■ 94.1322, 0.3389,
0.3899

Harmonies

Analogous

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



42.8809, 0.2865, 0.2913



42.8809, 0.3072, 0.2958



42.8809, 0.3300, 0.3083

Triad

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



42.8809, 0.3072, 0.2958



42.8809, 0.3535, 0.3610



42.8809, 0.2778, 0.3304

Complementary

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



42.8809, 0.3072, 0.2958



51.2330, 0.3175, 0.3631

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.



42.8809, 0.2948, 0.3510



42.8809, 0.3072, 0.2958



42.8809, 0.3385, 0.3688

Square

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



42.8809, 0.3072, 0.2958



42.8809, 0.3573, 0.3452



42.8809, 0.3169, 0.3653



42.8809, 0.2701, 0.3103

Rectangle

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



42.8809, 0.3072, 0.2958



42.8809, 0.3433, 0.3198



42.8809, 0.3169, 0.3653



42.8809, 0.2826, 0.3376

Sweetspot

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



42.8827, 0.3072, 0.2958



90.9755, 0.3112, 0.3192



43.9098, 0.2920, 0.3054



19.6516, 0.3109, 0.3173



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.



42.8827, 0.3072, 0.2958



72.7089, 0.3058, 0.2882



43.7041, 0.3183, 0.3023



10.0875, 0.3090, 0.3060



5.9650, 0.2454, 0.1126



0.2926, 0.2628, 0.1222

Inverse Universe

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



43.1498, 0.3297, 0.3188



73.3016, 0.3341, 0.3165



50.5066, 0.3076, 0.3572



10.1276, 0.3242, 0.3220



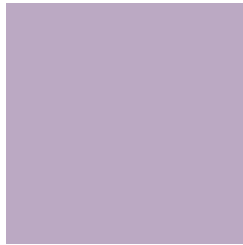
7.7648, 0.5713, 0.2921



0.3481, 0.5062, 0.2562

Previews

White Background



This preview shows how the Yxy color 42.8809, 0.3072, 0.2958 looks on a white background.

Color Contrast Check

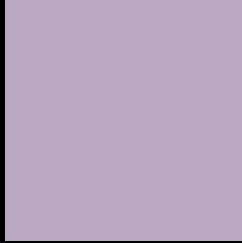
Large Text (above 18pt) WCAG AA × Fail

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 42.8809, 0.3072, 0.2958 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 42.8809, 0.3072, 0.2958

Background



This preview shows how black text looks on a background with the Yxy color 42.8809, 0.3072, 0.2958.



This preview shows how white text looks on a background with the Yxy color 42.8809, 0.3072, 0.2958.

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

42.8809, 0.3072, 0.2958

Protanopia

43.0072, 0.2912, 0.2973

Deuteranopia

42.7569, 0.3037, 0.2967



Tritanopia

42.9008, 0.3144, 0.3121

Trichromacy



Original Color

42.8809, 0.3072, 0.2958

Protanomaly

42.8834, 0.2969, 0.2964

Deuteranomaly

42.8799, 0.3045, 0.2968

Tritanomaly

42.8194, 0.3120, 0.3057

Monochromacy



Original Color

42.8809, 0.3072, 0.2958

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.5566, 0.3107, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8809, 0.3072, 0.2958 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, 169, 195)` looks like.

```
.text, #text, p{  
    color:rgb(187, 169, 195)  
}
```

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, 169, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 169, 195) }
```

Border

The CSS property to change the border of an element to Yxy 42.8809, 0.3072, 0.2958 is called "border". The border property can be set on classes, ids or directly on the HTML element.

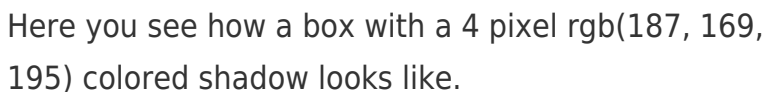
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 169, 195) }
```

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

```
.border{ border-color:rgb(187, 169, 195) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 169, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 169, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 169, 195); box-shadow:4px 4px 4px 4px rgb(187, 169, 195) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8809, 0.3072, 0.2958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 169, 195) }
```

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

```
.background{ background-color: rgb(187,  
169, 195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor