

Converting Colors

$Y_{xy}(38.1651, 0.2998, 0.2708)$

Have a look what the booklet for
Yxy(38.1651, 0.2998, 0.2708)
contains.

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Color

Yxy(38.1843, 0.2997, 0.2712)

Conversions

Conversions Part 1

Format	Color
Hex	B89CC9
RGB	184, 156, 201
RGB Percent	72%, 61%, 79%
CMY	0.2785, 0.3882, 0.2117
CMYK	0.08, 0.22, 0.00, 0.21
HSL	277°, 29%, 70%
HSV	277°, 22%, 79%
XYZ	42.1970, 38.1843, 60.4162
YIQ	169.5020, 2.2430, 19.9310

Conversions

Conversions Part 2

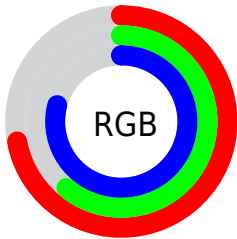
Format	Color
RYB	184, 156, 201
Decimal	12098761
CIELab	68.16, 18.69, -19.25
CIELCh	68, 26.831, 314.155
Yxy	38.1843, 0.2997, 0.2712
Android (android.graphics.Color)	4290288841 (0xFFB89CC9)
YUV	169.5020, 15.5285, 12.7147
Hunter-Lab	61.7934, 13.7542, -14.7132

Details

The Yxy color $38.1843, 0.2997, 0.2712$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $53.0721, 0.3231, 0.3886$, and the grayscale version is $39.8589, 0.3127, 0.3290$.

A 20% lighter version of the original color is $72.3338, 0.3041, 0.2847$, and $17.0350, 0.2956, 0.2559$ is the 20% darker color. If you saturate the color by 10%, you get $31.0739, 0.2923, 0.2433$, and if you desaturate by 10%, it is $46.4649, 0.3061, 0.2980$.

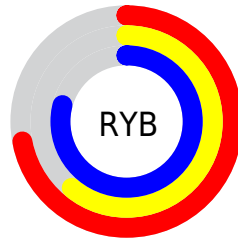
Distribution



Red (72%)

Green (61%)

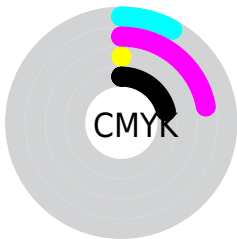
Blue (79%)



Red (72%)

Yellow (61%)

Blue (79%)

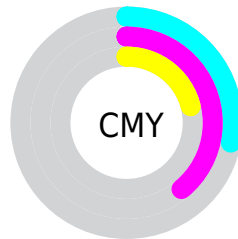


Cyan (8%)

Magenta (22%)

Yellow (0%)

Black (21%)



Cyan (28%)


Magenta (39%)

Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1843, 0.2997, 0.2712 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 38.1843, 0.2997, 0.2712 by changing the saturation by 10% instead.


 38.1843, 0.2997,
0.2712


 38.1843, 0.2997,
0.2712


338.4099, 0.3068,
0.2998

 26.1258, 0.2977,
0.2642


 72.3905, 0.3024,
0.2815

 16.9177, 0.2951,
0.2552


 95.3070, 0.3034,
0.2854

 10.1759, 0.2915,
0.2434


122.6116, 0.3042,
0.2887

 5.5157, 0.2861,
0.2273

154.6887, 0.3049,
0.2916

 2.5529, 0.2774,
0.2039

191.9227, 0.3055,
0.2941

 0.9031, 0.2615,
0.1677

234.6979, 0.3060,

 0.0000, 0.1880,

0.2962

0.0000

283.3989, 0.3064,
0.2981

0.0000, 0.0000,
0.0000

38.1843, 0.2997,
0.2712

38.1843, 0.2997,
0.2712

31.0739, 0.2923,
0.2433

46.4649, 0.3061,
0.2980

25.0731, 0.2839,
0.2152

55.9628, 0.3115,
0.3232

20.1233, 0.2747,
0.1878

66.7282, 0.3161,
0.3466

16.1583, 0.2648,
0.1624

78.8071, 0.3199,
0.3679

13.1040, 0.2545,
0.1403

91.2712, 0.3231,
0.3858

10.8757, 0.2443,
0.1225

92.4999, 0.3280,
0.3850

9.3719, 0.2346,
0.1097

93.7835, 0.3330,
0.3841

8.5737, 0.2275,
0.1027

95.1227, 0.3380,
0.3832

96.5181, 0.3431,
0.3823

Harmonies

Analogous

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



38.1843, 0.2647, 0.2639



38.1843, 0.2997, 0.2712



38.1843, 0.3405, 0.2915

Triad

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



38.1843, 0.2997, 0.2712



38.1843, 0.3861, 0.3825



38.1843, 0.2531, 0.3329

Complementary

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



38.1843, 0.2997, 0.2712



53.0721, 0.3231, 0.3886

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.



38.1843, 0.2828, 0.3712



38.1843, 0.2997, 0.2712



38.1843, 0.3597, 0.3997

Square

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



38.1843, 0.2997, 0.2712



38.1843, 0.3922, 0.3534



38.1843, 0.3216, 0.3966



38.1843, 0.2393, 0.2965

Rectangle

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



38.1843, 0.2997, 0.2712



38.1843, 0.3652, 0.3103



38.1843, 0.3216, 0.3966



38.1843, 0.2615, 0.3462

Sweetspot

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



38.1859, 0.2997, 0.2712



87.8765, 0.3091, 0.3116



41.2745, 0.2770, 0.2913



18.5963, 0.3088, 0.3100



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.



38.1859, 0.2997, 0.2712



59.0498, 0.2961, 0.2574



40.1747, 0.3200, 0.2799



10.6084, 0.3078, 0.3058



5.4435, 0.2288, 0.1034



0.2983, 0.2481, 0.1140

Inverse Universe

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



39.2185, 0.3412, 0.3074



61.2049, 0.3494, 0.3023



51.4335, 0.3062, 0.3836



10.7022, 0.3231, 0.3203



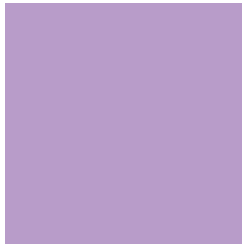
8.1529, 0.5442, 0.2772



0.4001, 0.4875, 0.2459

Previews

White Background



This preview shows how the Yxy color 38.1843, 0.2997, 0.2712 looks on a white background.

Color Contrast Check

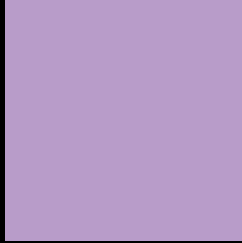
Large Text (above 18pt) WCAG AA × Fail

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 38.1843, 0.2997, 0.2712 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 38.1843, 0.2997, 0.2712

Background



This preview shows how black text looks on a background with the Yxy color 38.1843, 0.2997, 0.2712.



This preview shows how white text looks on a background with the Yxy color 38.1843, 0.2997, 0.2712.

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

38.1843, 0.2997, 0.2712

Protanopia

38.4832, 0.2719, 0.2723

Deuteranopia

38.4715, 0.2850, 0.2793



Tritanopia

38.2490, 0.3192, 0.3114

Trichromacy



Original Color

38.1843, 0.2997, 0.2712

Protanomaly

38.3554, 0.2811, 0.2718

Deuteranomaly

38.1960, 0.2908, 0.2761

Tritanomaly

38.0807, 0.3115, 0.2957

Monochromacy



Original Color

38.1843, 0.2997, 0.2712

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.3604, 0.3082, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1843, 0.2997, 0.2712 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(184, 156, 201)` looks like.

```
.text, #text, p{  
    color:rgb(184, 156, 201)  
}
```

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(184, 156, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 156, 201) }
```

Border

The CSS property to change the border of an element to Yxy 38.1843, 0.2997, 0.2712 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(184, 156, 201) }
```

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

```
.border{ border-color:rgb(184, 156, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 156, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 156, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 156, 201);  
box-shadow:4px 4px 4px 4px rgb(184, 156,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1843, 0.2997, 0.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 156, 201) }
```

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

```
.background{ background-color: rgb(184,  
156, 201) }
```

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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