

Converting Colors

$Yxy(37.8936, 0.2824, 0.2469)$

Have a look what the booklet for
Yxy(37.8936, 0.2824, 0.2469)
contains.

Yxy(38.0494, 0.2827, 0.2478)	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(38.0494, 0.2827, 0.2478)

Conversions

Conversions Part 1

Format	Color
Hex	B59ADB
RGB	181, 154, 219
RGB Percent	71%, 60%, 86%
CMY	0.2900, 0.3961, 0.1411
CMYK	0.17, 0.30, 0.00, 0.14
HSL	265°, 47%, 73%
HSV	265°, 30%, 86%
XYZ	43.4083, 38.0494, 72.0912
YIQ	169.4830, -4.7730, 25.9390

Conversions

Conversions Part 2

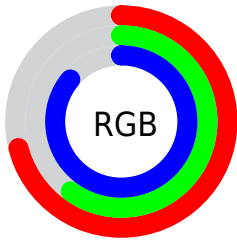
Format	Color
RYB	181, 154, 219
Decimal	11901659
CIELab	68.06, 22.73, -29.39
CIELCh	68, 37.156, 307.722
Yxy	38.0494, 0.2827, 0.2478
Android (android.graphics.Color)	4290091739 (0xFFB59ADB)
YUV	169.4830, 24.4119, 10.1004
Hunter-Lab	61.6842, 17.6662, -26.1141

Details

The Yxy color **38.0494, 0.2827, 0.2478** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **64.2103, 0.3363, 0.4083**, and the grayscale version is **39.8094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9981, 0.3027, 0.2824**, and **16.8929, 0.2725, 0.2267** is the 20% darker color. If you saturate the color by 10%, you get **29.9935, 0.2698, 0.2172**, and if you desaturate by 10%, it is **47.5694, 0.2942, 0.2772**.

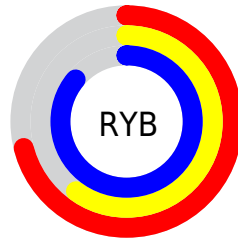
Distribution



Red (71%)

Green (60%)

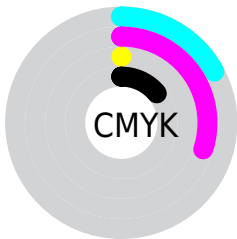
Blue (86%)



Red (71%)

Yellow (60%)

Blue (86%)

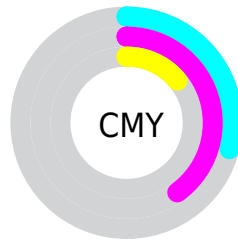


Cyan (17%)

Magenta (30%)

Yellow (0%)

Black (14%)



Cyan (29%)

Magenta (40%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0494, 0.2827, 0.2478 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 38.0494, 0.2827, 0.2478 by changing the saturation by 10% instead.

38.0494, 0.2827,
0.2478

38.0494, 0.2827,
0.2478

337.8318, 0.2987,
0.2873

26.0210, 0.2785,
0.2384

72.1838, 0.2887,
0.2619

16.8394, 0.2730,
0.2265

95.0587, 0.2909,
0.2672

10.1200, 0.2654,
0.2112

122.3179, 0.2927,
0.2718

5.4786, 0.2547,
0.1909

154.3457, 0.2943,
0.2758

2.5307, 0.2383,
0.1628

191.5266, 0.2956,
0.2792

0.8920, 0.2113,
0.1226

234.2450, 0.2968,


0.0000, 0.1431,

0.2822


0.0000

282.8853, 0.2978,
0.2849


 0.0000, 0.0000,
0.0000


 38.0494, 0.2827,
0.2478


 38.0494, 0.2827,
0.2478

 29.9935, 0.2698,
0.2172


 47.5694, 0.2942,
0.2772


 23.3213, 0.2556,
0.1863


 58.6187, 0.3043,
0.3046


 17.9518, 0.2407,
0.1567

 71.2645, 0.3130,
0.3297

 13.7932, 0.2256,
0.1299

 85.5681, 0.3203,
0.3524

 10.7415, 0.2110,
0.1076

 96.0468, 0.3274,
0.3648

■ 8.6735, 0.1978,
0.0911

■ 97.8958, 0.3339,
0.3641

■ 7.3812, 0.1864,
0.0801

■ 7.3469, 0.1860,
0.0798

Harmonies

Analogous

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



38.0494, 0.2393, 0.2417



38.0494, 0.2827, 0.2478



38.0494, 0.3385, 0.2713

Triad

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



38.0494, 0.2827, 0.2478



38.0494, 0.4181, 0.3923



38.0494, 0.2381, 0.3455

Complementary

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



38.0494, 0.2827, 0.2478



64.2103, 0.3363, 0.4083

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.



38.0494, 0.2812, 0.3991



38.0494, 0.2827, 0.2478



38.0494, 0.3857, 0.4231

Square

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



38.0494, 0.2827, 0.2478



38.0494, 0.4209, 0.3504



38.0494, 0.3353, 0.4284



38.0494, 0.2154, 0.2921

Rectangle

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



38.0494, 0.2827, 0.2478



38.0494, 0.3750, 0.2945



38.0494, 0.3353, 0.4284



38.0494, 0.2505, 0.3646

Sweetspot

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



38.0510, 0.2827, 0.2478



83.7678, 0.3049, 0.3062



50.1279, 0.2664, 0.2955



17.4059, 0.3035, 0.3024



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.



38.0510, 0.2827, 0.2478



45.9582, 0.2743, 0.2276



42.2961, 0.3103, 0.2542



12.8805, 0.3046, 0.3053



4.4162, 0.1876, 0.0807



0.3359, 0.2060, 0.0909

Inverse Universe

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



41.9737, 0.3408, 0.2845



52.5249, 0.3492, 0.2743



60.5328, 0.3132, 0.4142



13.1784, 0.3201, 0.3154



9.8744, 0.4599, 0.2307



0.6567, 0.4311, 0.2149

Previews

White Background



This preview shows how the Yxy color 38.0494, 0.2827, 0.2478 looks on a white background.

Color Contrast Check

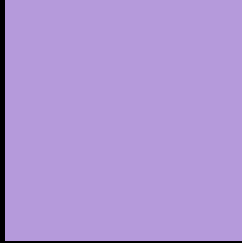
Large Text (above 18pt) WCAG AA × Fail

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 38.0494, 0.2827, 0.2478 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 38.0494, 0.2827, 0.2478

Background



This preview shows how black text looks on a background with the Yxy color 38.0494, 0.2827, 0.2478.



This preview shows how white text looks on a background with the Yxy color 38.0494, 0.2827, 0.2478.

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

38.0494, 0.2827, 0.2478

Protanopia

38.3378, 0.2533, 0.2476

Deuteranopia

38.0742, 0.2632, 0.2573



Tritanopia

37.9345, 0.3126, 0.3111

Trichromacy



Original Color

38.0494, 0.2827, 0.2478

Protanomaly

37.9429, 0.2634, 0.2474

Deuteranomaly

38.0961, 0.2699, 0.2537

Tritanomaly

37.9050, 0.3017, 0.2864

Monochromacy



Original Color

38.0494, 0.2827, 0.2478

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.0230, 0.3014, 0.2980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0494, 0.2827, 0.2478 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(181, 154, 219)` looks like.

```
.text, #text, p{  
    color:rgb(181, 154, 219)  
}
```

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(181, 154, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 154, 219) }
```

Border

The CSS property to change the border of an element to Yxy 38.0494, 0.2827, 0.2478 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(181, 154, 219) }
```

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

```
.border{ border-color:rgb(181, 154, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 154, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 154, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 154, 219);  
box-shadow:4px 4px 4px 4px rgb(181, 154,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0494, 0.2827, 0.2478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 154, 219) }
```

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

```
.background{ background-color: rgb(181,  
154, 219) }
```

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