

Converting Colors

$Y_{xy}(38.0428, 0.2829, 0.2462)$

Have a look what the booklet for
Yxy(38.0428, 0.2829, 0.2462)
contains.

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Color

Yxy(37.8949, 0.2827, 0.2457)

Conversions

Conversions Part 1

Format	Color
Hex	B699DC
RGB	182, 153, 220
RGB Percent	71%, 60%, 86%
CMY	0.2863, 0.4000, 0.1372
CMYK	0.17, 0.30, 0.00, 0.14
HSL	266°, 49%, 73%
HSV	266°, 30%, 86%
XYZ	43.6015, 37.8949, 72.7360
YIQ	169.3090, -4.2230, 26.9850

Conversions

Conversions Part 2

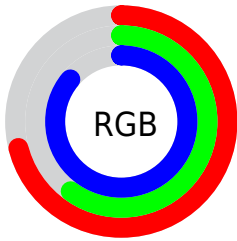
Format	Color
R _{YB}	182, 153, 220
Decimal	11966940
CIE _{Lab}	67.94, 23.79, -30.10
CIE _{LCh}	68, 38.373, 308.323
Y _{xy}	37.8949, 0.2827, 0.2457
Android (android.graphics.Color)	4290157020 (0xFFB699DC)
Y _{UV}	169.3090, 24.9907, 11.1300
Hunter-Lab	61.5588, 18.7018, -26.9640

Details

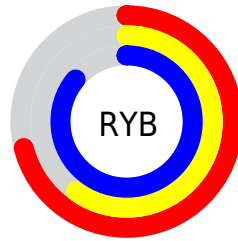
The Yxy color **37.8949, 0.2827, 0.2457** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **64.5731, 0.3361, 0.4107**, and the grayscale version is **39.7134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6825, 0.3035, 0.2815**, and **16.8085, 0.2725, 0.2241** is the 20% darker color. If you saturate the color by 10%, you get **29.8934, 0.2700, 0.2152**, and if you desaturate by 10%, it is **47.3628, 0.2940, 0.2751**.

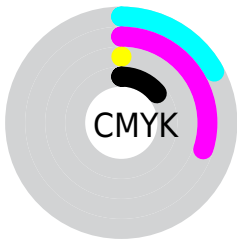
Distribution



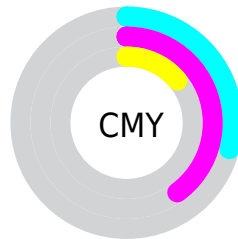
- Red (71%)
- Green (60%)
- Blue (86%)



- 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 37.8949, 0.2827, 0.2457 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 37.8949, 0.2827, 0.2457 by changing the saturation by 10% instead.


 37.8949, 0.2827,
0.2457

 37.8949, 0.2827,
0.2457


337.1689, 0.2987,
0.2862

 25.9011, 0.2785,
0.2361


 71.9470, 0.2887,
0.2601

 16.7497, 0.2729,
0.2240


 94.7742, 0.2909,
0.2656

 10.0562, 0.2653,
0.2084


121.9812, 0.2928,
0.2703

 5.4362, 0.2545,
0.1877

153.9526, 0.2943,
0.2743

 2.5054, 0.2380,
0.1594

191.0726, 0.2956,
0.2778

 0.8793, 0.2108,
0.1190

233.7258, 0.2968,


 0.0000, 0.1443,


0.2809

0.0000


282.2964, 0.2978,
0.2837


 0.0000, 0.0000,
0.0000


 37.8949, 0.2827,
0.2457


 37.8949, 0.2827,
0.2457


 29.8934, 0.2700,
0.2152


 47.3628, 0.2940,
0.2751


 23.2769, 0.2562,
0.1846


 58.3633, 0.3039,
0.3026


 17.9634, 0.2416,
0.1554

 70.9642, 0.3124,
0.3279

 13.8595, 0.2268,
0.1292

 85.2275, 0.3196,
0.3508

 10.8592, 0.2126,
0.1075

 95.9942, 0.3265,
0.3638

■ 8.8365, 0.1996,
0.0916

■ 97.9481, 0.3333,
0.3631

■ 7.6114, 0.1888,
0.0814

Harmonies

Analogous

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



37.8949, 0.2377, 0.2389



37.8949, 0.2827, 0.2457



37.8949, 0.3405, 0.2702

Triad

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



37.8949, 0.2827, 0.2457



37.8949, 0.4211, 0.3948



37.8949, 0.2350, 0.3448

Complementary

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



37.8949, 0.2827, 0.2457



64.5731, 0.3361, 0.4107

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.



37.8949, 0.2790, 0.4007



37.8949, 0.2827, 0.2457



37.8949, 0.3870, 0.4265

Square

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



37.8949, 0.2827, 0.2457



37.8949, 0.4249, 0.3517



37.8949, 0.3346, 0.4318



37.8949, 0.2122, 0.2897

Rectangle

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



37.8949, 0.2827, 0.2457



37.8949, 0.3782, 0.2941



37.8949, 0.3346, 0.4318



37.8949, 0.2476, 0.3646

Sweetspot

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



37.8965, 0.2827, 0.2457



83.8351, 0.3051, 0.3062



49.6810, 0.2650, 0.2930



17.4224, 0.3038, 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.



37.8965, 0.2827, 0.2457



45.0707, 0.2742, 0.2249



42.3127, 0.3112, 0.2524



12.8913, 0.3048, 0.3053



4.5295, 0.1904, 0.0822



0.3437, 0.2088, 0.0924

Inverse Universe

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



41.7640, 0.3428, 0.2845



51.4917, 0.3519, 0.2742



60.8229, 0.3124, 0.4170



13.1747, 0.3204, 0.3158



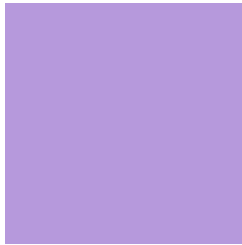
9.8188, 0.4667, 0.2345



0.6533, 0.4365, 0.2178

Previews

White Background



This preview shows how the Yxy color 37.8949, 0.2827, 0.2457 looks on a white background.

Color Contrast Check

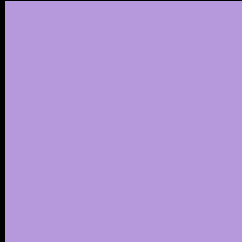
Large Text (above 18pt) WCAG AA × Fail

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 37.8949, 0.2827, 0.2457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

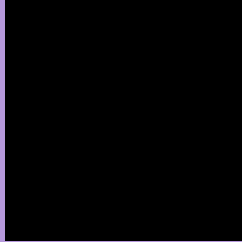
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8949, 0.2827, 0.2457

Background



This preview shows how black text looks on a background with the Yxy color 37.8949, 0.2827, 0.2457.



This preview shows how white text looks on a background with the Yxy color 37.8949, 0.2827, 0.2457.

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

37.8949, 0.2827, 0.2457

Protanopia

37.9989, 0.2512, 0.2439

Deuteranopia

38.0286, 0.2618, 0.2560



Tritanopia

37.9345, 0.3126, 0.3111

Trichromacy



Original Color

37.8949, 0.2827, 0.2457

Protanomaly

37.7061, 0.2619, 0.2439

Deuteranomaly

37.8033, 0.2691, 0.2512

Tritanomaly

37.9050, 0.3017, 0.2864

Monochromacy



Original Color

37.8949, 0.2827, 0.2457

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.8239, 0.3015, 0.2954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8949, 0.2827, 0.2457 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(182, 153, 220)` looks like.

```
.text, #text, p{  
    color:rgb(182, 153, 220)  
}
```

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(182, 153, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 153, 220) }
```

Border

The CSS property to change the border of an element to Yxy 37.8949, 0.2827, 0.2457 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(182, 153, 220) }
```

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

```
.border{ border-color:rgb(182, 153, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 153, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 153, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 153, 220);  
box-shadow:4px 4px 4px 4px rgb(182, 153,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8949, 0.2827, 0.2457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 153, 220) }
```

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

```
.background{ background-color: rgb(182,  
153, 220) }
```

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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