

Converting Colors

$Yxy(38.0835, 0.3320, 0.2946)$

Have a look what the booklet for
Yxy(38.0835, 0.3320, 0.2946)
contains.

Yxy(38.0835, 0.3320, 0.2946)	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(38.0835, 0.3320, 0.2946)

Conversions

Conversions Part 1

Format	Color
Hex	C699B4
RGB	198, 153, 180
RGB Percent	78%, 60%, 71%
CMY	0.2235, 0.4000, 0.2941
CMYK	0.00, 0.23, 0.09, 0.22
HSL	324°, 28%, 69%
HSV	324°, 23%, 78%
XYZ	42.9183, 38.0835, 48.2701
YIQ	169.5330, 18.1530, 17.9370

Conversions

Conversions Part 2

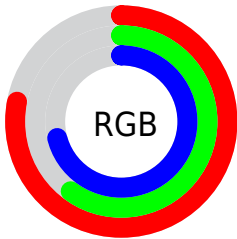
Format	Color
RYB	198, 153, 180
Decimal	13015476
CIELab	68.08, 21.17, -7.53
CIElCh	68, 22.470, 340.419
Yxy	38.0835, 0.3320, 0.2946
Android (android.graphics.Color)	4291205556 (0xFFC699B4)
YUV	169.5330, 5.1602, 24.9656
Hunter-Lab	61.7118, 16.1444, -3.1775

Details

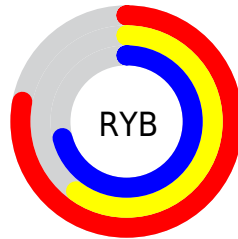
The Yxy color **38.0835, 0.3320, 0.2946** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.1015, 0.2973, 0.3661**, and the grayscale version is **39.9221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4279, 0.3282, 0.3011**, and **16.9643, 0.3384, 0.2859** is the 20% darker color. If you saturate the color by 10%, you get **31.8187, 0.3431, 0.2788**, and if you desaturate by 10%, it is **45.4456, 0.3226, 0.3102**.

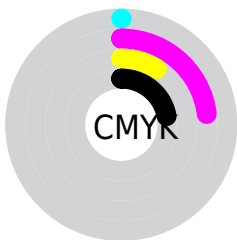
Distribution



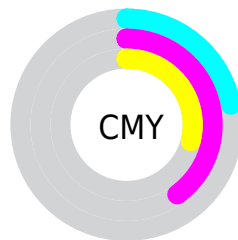
- Red (78%)
- Green (60%)
- Blue (71%)



- Red (78%)
- Yellow (60%)
- Blue (71%)



- Cyan (0%)
- Magenta (23%)
- Yellow (9%)
- Black (22%)





- Cyan (22%)
- Magenta (40%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0835, 0.3320, 0.2946 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 38.0835, 0.3320, 0.2946 by changing the saturation by 10% instead.


 38.0835, 0.3320,
0.2946


 38.0835, 0.3320,
0.2946


337.9780, 0.3223,
0.3119

 26.0475, 0.3345,
0.2902


 72.2361, 0.3284,
0.3009

 16.8592, 0.3376,
0.2846


 95.1215, 0.3271,
0.3033

 10.1341, 0.3419,
0.2771


122.3921, 0.3260,
0.3053

 5.4880, 0.3479,
0.2666

154.4324, 0.3250,
0.3070

 2.5363, 0.3570,
0.2508

191.6268, 0.3242,
0.3085

 0.8948, 0.3724,
0.2245

234.3596, 0.3235,

 0.0000, 0.5161,

0.3098

0.0000

283.0152, 0.3228,
0.3109

0.0000, 0.0000,
0.0000

38.0835, 0.3320,
0.2946

38.0835, 0.3320,
0.2946

31.8187, 0.3431,
0.2788

45.4456, 0.3226,
0.3102

26.5928, 0.3560,
0.2633

53.9495, 0.3146,
0.3251

22.3497, 0.3708,
0.2490

63.6436, 0.3080,
0.3391

19.0257, 0.3872,
0.2369

74.5718, 0.3025,
0.3522

16.5500, 0.4049,
0.2282

86.7758, 0.2979,
0.3643

■ 14.8409, 0.4233,
0.2239

■ 89.1007, 0.2937,
0.3586

■ 13.8005, 0.4417,
0.2247

■ 89.5494, 0.2895,
0.3498

■ 13.3331, 0.4548,
0.2279

■ 90.0186, 0.2854,
0.3413

■ 90.5085, 0.2813,
0.3328

Harmonies

Analogous

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



38.0835, 0.2979, 0.2784



38.0835, 0.3320, 0.2946



38.0835, 0.3621, 0.3190

Triad

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



38.0835, 0.3320, 0.2946



38.0835, 0.3559, 0.3873



38.0835, 0.2512, 0.3055

Complementary

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



38.0835, 0.3320, 0.2946



50.1015, 0.2973, 0.3661

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.



38.0835, 0.2650, 0.3367



38.0835, 0.3320, 0.2946



38.0835, 0.3248, 0.3865

Square

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



38.0835, 0.3320, 0.2946



38.0835, 0.3760, 0.3719



38.0835, 0.2916, 0.3675



38.0835, 0.2527, 0.2832

Rectangle

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



38.0835, 0.3320, 0.2946



38.0835, 0.3750, 0.3375



38.0835, 0.2916, 0.3675



38.0835, 0.2541, 0.3153

Sweetspot

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



38.0852, 0.3320, 0.2946



88.6839, 0.3179, 0.3186



35.4354, 0.2897, 0.2686



18.7837, 0.3184, 0.3177



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.



38.0852, 0.3320, 0.2946



62.0126, 0.3370, 0.2872



37.2672, 0.3535, 0.3223



10.7420, 0.3198, 0.3152



8.6881, 0.4525, 0.2266



0.4254, 0.4180, 0.2076

Inverse Universe

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



38.0852, 0.3320, 0.2946



62.0126, 0.3370, 0.2872



51.0003, 0.2828, 0.3359



10.7420, 0.3198, 0.3152



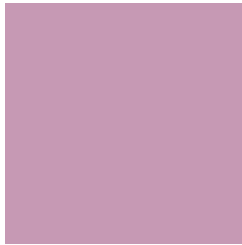
8.6881, 0.4525, 0.2266



0.4254, 0.4180, 0.2076

Previews

White Background



This preview shows how the Yxy color 38.0835, 0.3320, 0.2946 looks on a white background.

Color Contrast Check

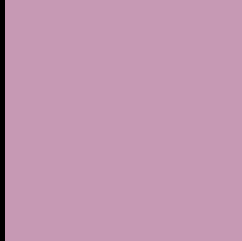
Large Text (above 18pt) WCAG AA × Fail

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 38.0835, 0.3320, 0.2946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

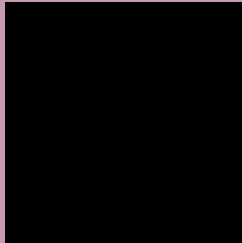
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0835, 0.3320, 0.2946

Background



This preview shows how black text looks on a background with the Yxy color 38.0835, 0.3320, 0.2946.



This preview shows how white text looks on a background with the Yxy color 38.0835, 0.3320, 0.2946.

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

38.0835, 0.3320, 0.2946

Protanopia

38.3276, 0.2919, 0.2972

Deuteranopia

38.0512, 0.3129, 0.3059



Tritanopia

37.9685, 0.3423, 0.3134

Trichromacy



Original Color

38.0835, 0.3320, 0.2946

Protanomaly

38.2226, 0.3059, 0.2967

Deuteranomaly

38.0227, 0.3198, 0.3012

Tritanomaly

37.9601, 0.3386, 0.3058

Monochromacy



Original Color

38.0835, 0.3320, 0.2946

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.3102, 0.3190, 0.3155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0835, 0.3320, 0.2946 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(198, 153, 180)` looks like.

```
.text, #text, p{  
    color:rgb(198, 153, 180)  
}
```

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(198, 153, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 153, 180) }
```

Border

The CSS property to change the border of an element to Yxy 38.0835, 0.3320, 0.2946 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(198, 153, 180) }
```

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

```
.border{ border-color:rgb(198, 153, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 153, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 153, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 153, 180);  
box-shadow:4px 4px 4px 4px rgb(198, 153,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0835, 0.3320, 0.2946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 153, 180) }
```

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

```
.background{ background-color: rgb(198,  
153, 180) }
```

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