

Converting Colors

$Y_{xy}(38.7032, 0.3243, 0.2819)$

Have a look what the booklet for
Yxy(38.7032, 0.3243, 0.2819)
contains.

Yxy(38.7795, 0.3245, 0.2828)	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(38.7795, 0.3245, 0.2828)

Conversions

Conversions Part 1

Format	Color
Hex	C899BE
RGB	200, 153, 190
RGB Percent	78%, 60%, 75%
CMY	0.2158, 0.3999, 0.2549
CMYK	0.00, 0.23, 0.05, 0.22
HSL	313°, 30%, 69%
HSV	313°, 23%, 78%
XYZ	44.4977, 38.7795, 53.8498
YIQ	171.2710, 16.1350, 21.4710

Conversions

Conversions Part 2

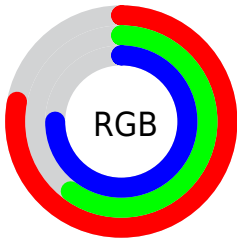
Format	Color
R_{YB}	200, 153, 190
Decimal	13146558
CIE _{Lab}	68.59, 23.63, -12.32
CIE _{LCh}	69, 26.643, 332.467
Yxy	38.7795, 0.3245, 0.2828
Android (android.graphics.Color)	4291336638 (0xFFC899BE)
YUV	171.2710, 9.2334, 25.1953
Hunter-Lab	62.2732, 18.5702, -7.6789

Details

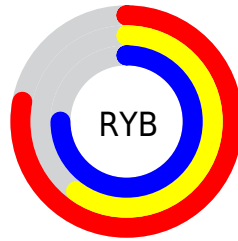
The Yxy color **38.7795, 0.3245, 0.2828** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.7126, 0.3028, 0.3801**, and the grayscale version is **40.8145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0256, 0.3211, 0.2915**, and **17.1332, 0.3265, 0.2683** is the 20% darker color. If you saturate the color by 10%, you get **32.5905, 0.3308, 0.2627**, and if you desaturate by 10%, it is **46.0743, 0.3190, 0.3029**.

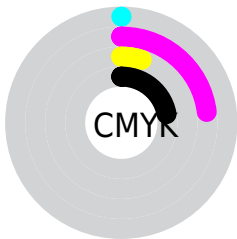
Distribution



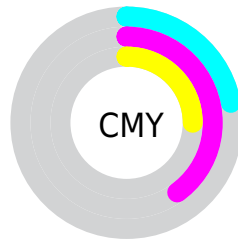
- Red (78%)
- Green (60%)
- Blue (75%)



- Red (78%)
- Yellow (60%)
- Blue (75%)



- Cyan (0%)
- Magenta (23%)
- Yellow (5%)
- Black (22%)





- Cyan (22%)
- Magenta (40%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7795, 0.3245, 0.2828 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 38.7795, 0.3245, 0.2828 by changing the saturation by 10% instead.


 38.7795, 0.3245,
0.2828


 38.7795, 0.3245,
0.2828


340.9521, 0.3188,
0.3057

 26.5882, 0.3258,
0.2771


 73.3013, 0.3225,
0.2911

 17.2642, 0.3275,
0.2699


 96.4007, 0.3217,
0.2942

 10.4231, 0.3297,
0.2603


123.9049, 0.3211,
0.2969

 5.6803, 0.3326,
0.2471

156.1983, 0.3205,
0.2991

 2.6517, 0.3366,
0.2278

193.6654, 0.3200,
0.3011

 0.9527, 0.3423,
0.1969

236.6904, 0.3196,

 0.0000, 0.3827,

0.3028

0.0000

285.6579, 0.3192,
0.3044

0.0000, 0.0000,
0.0000

38.7795, 0.3245,
0.2828

38.7795, 0.3245,
0.2828

32.5905, 0.3308,
0.2627

46.0743, 0.3190,
0.3029

27.4475, 0.3378,
0.2433

54.5207, 0.3142,
0.3224

23.2928, 0.3454,
0.2254

64.1680, 0.3101,
0.3410

20.0612, 0.3536,
0.2102

75.0613, 0.3066,
0.3585

17.6794, 0.3619,
0.1986

87.2432, 0.3037,
0.3746

■ 16.0631, 0.3703,
0.1913

■ 88.7265, 0.3014,
0.3719

■ 15.1106, 0.3785,
0.1886

■ 88.9485, 0.2991,
0.3671

■ 14.7256, 0.3836,
0.1887

■ 89.1762, 0.2968,
0.3624

■ 89.4097, 0.2945,
0.3577

Harmonies

Analogous

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



38.7795, 0.2852, 0.2673



38.7795, 0.3245, 0.2828



38.7795, 0.3627, 0.3089

Triad

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



38.7795, 0.3245, 0.2828



38.7795, 0.3712, 0.3943



38.7795, 0.2434, 0.3099

Complementary

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



38.7795, 0.3245, 0.2828



50.7126, 0.3028, 0.3801

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.



38.7795, 0.2636, 0.3482



38.7795, 0.3245, 0.2828



38.7795, 0.3369, 0.3997

Square

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



38.7795, 0.3245, 0.2828



38.7795, 0.3902, 0.3716



38.7795, 0.2975, 0.3827



38.7795, 0.2405, 0.2805

Rectangle

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



38.7795, 0.3245, 0.2828



38.7795, 0.3813, 0.3297



38.7795, 0.2975, 0.3827



38.7795, 0.2483, 0.3222

Sweetspot

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



38.7812, 0.3245, 0.2828



88.8934, 0.3159, 0.3154



34.6818, 0.2812, 0.2650



18.8323, 0.3161, 0.3142



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.



38.7812, 0.3245, 0.2828



61.6560, 0.3275, 0.2729



37.8578, 0.3466, 0.3110



10.7765, 0.3169, 0.3110



9.3799, 0.3826, 0.1881



0.4541, 0.3673, 0.1797

Inverse Universe

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



38.7812, 0.3245, 0.2828



61.6560, 0.3275, 0.2729



51.6086, 0.2874, 0.3479



10.7765, 0.3169, 0.3110



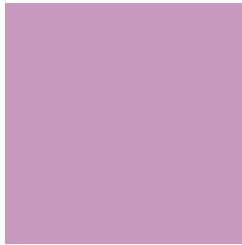
9.3799, 0.3826, 0.1881



0.4541, 0.3673, 0.1797

Previews

White Background



This preview shows how the Yxy color 38.7795, 0.3245, 0.2828 looks on a white background.

Color Contrast Check

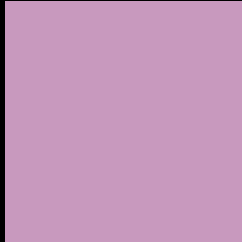
Large Text (above 18pt) WCAG AA × Fail

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 38.7795, 0.3245, 0.2828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

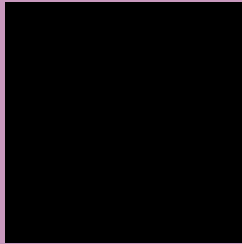
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7795, 0.3245, 0.2828

Background



This preview shows how black text looks on a background with the Yxy color 38.7795, 0.3245, 0.2828.



This preview shows how white text looks on a background with the Yxy color 38.7795, 0.3245, 0.2828.

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

38.7795, 0.3245, 0.2828

Protanopia

38.9730, 0.2818, 0.2842

Deuteranopia

38.8239, 0.3015, 0.2954



Tritanopia

38.8488, 0.3410, 0.3135

Trichromacy



Original Color

38.7795, 0.3245, 0.2828

Protanomaly

38.5892, 0.2958, 0.2827

Deuteranomaly

38.5377, 0.3090, 0.2896

Tritanomaly

38.9570, 0.3344, 0.3022

Monochromacy



Original Color

38.7795, 0.3245, 0.2828

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

39.7104, 0.3173, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7795, 0.3245, 0.2828 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(200, 153, 190)` looks like.

```
.text, #text, p{  
    color:rgb(200, 153, 190)  
}
```

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(200, 153, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 153, 190) }
```

Border

The CSS property to change the border of an element to Yxy 38.7795, 0.3245, 0.2828 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(200, 153, 190) }
```

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

```
.border{ border-color:rgb(200, 153, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 153, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 153, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 153, 190);  
box-shadow:4px 4px 4px 4px rgb(200, 153,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7795, 0.3245, 0.2828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 153, 190) }
```

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

```
.background{ background-color: rgb(200,  
153, 190) }
```

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