

Converting Colors

$Y_{xy}(42.0396, 0.3098, 0.2752)$

Have a look what the booklet for
Yxy(42.0396, 0.3098, 0.2752)
contains.

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Color

Yxy(42.0396, 0.3098, 0.2752)

Conversions

Conversions Part 1

Format	Color
Hex	C7A1CD
RGB	199, 161, 205
RGB Percent	78%, 63%, 80%
CMY	0.2195, 0.3687, 0.1960
CMYK	0.03, 0.21, 0.00, 0.20
HSL	292°, 31%, 72%
HSV	292°, 21%, 80%
XYZ	47.3251, 42.0396, 63.3955
YIQ	177.3780, 8.5240, 21.7400

Conversions

Conversions Part 2

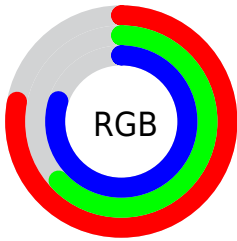
Format	Color
RYB	199, 161, 205
Decimal	13083085
CIELab	70.90, 21.74, -17.18
CIELCh	71, 27.706, 321.677
Yxy	42.0396, 0.3098, 0.2752
Android (android.graphics.Color)	4291273165 (0xFFC7A1CD)
YUV	177.3780, 13.6176, 18.9625
Hunter-Lab	64.8380, 16.8204, -12.5844

Details

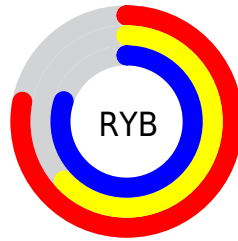
The Yxy color $42.0396, 0.3098, 0.2752$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $54.4642, 0.3145, 0.3875$, and the grayscale version is $44.1015, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.5917, 0.3145, 0.2910$, and $19.1914, 0.3084, 0.2604$ is the 20% darker color. If you saturate the color by 10%, you get $35.0751, 0.3079, 0.2494$, and if you desaturate by 10%, it is $50.1897, 0.3114, 0.3008$.

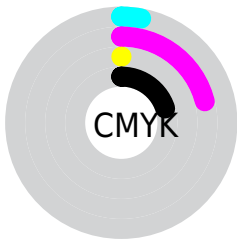
Distribution



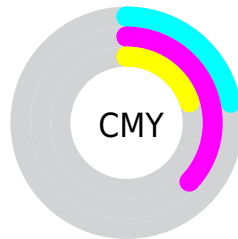
- Red (78%)
- Green (63%)
- Blue (80%)



- Red (78%)
- Yellow (63%)
- Blue (80%)



- Cyan (3%)
- Magenta (21%)
- Yellow (0%)
- Black (20%)




- Cyan (22%)
- Magenta (37%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0396, 0.3098, 0.2752 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 42.0396, 0.3098, 0.2752 by changing the saturation by 10% instead.


 42.0396, 0.3098,
0.2752

 42.0396, 0.3098,
0.2752


354.6471, 0.3117,
0.3014

 29.1323, 0.3092,
0.2689


 78.2596, 0.3106,
0.2846

 19.1809, 0.3083,
0.2609


 102.3410, 0.3109,
0.2881

 11.8011, 0.3071,
0.2504


130.9159, 0.3111,
0.2912

 6.6084, 0.3051,
0.2363

164.3688, 0.3113,
0.2938

 3.2184, 0.3017,
0.2161

203.0839, 0.3114,
0.2961

 1.2468, 0.2950,
0.1854

247.4458, 0.3115,

 0.0994, 0.3010,

0.2981

0.0479

297.8387, 0.3116,
0.2999

0.0000, 0.0000,
0.0000

42.0396, 0.3098,
0.2752

42.0396, 0.3098,
0.2752

35.0751, 0.3079,
0.2494

50.1897, 0.3114,
0.3008

29.2335, 0.3055,
0.2242

59.5732, 0.3126,
0.3255

24.4546, 0.3028,
0.2006

70.2420, 0.3135,
0.3488

20.6702, 0.2998,
0.1795

82.2435, 0.3141,
0.3706

17.8045, 0.2965,
0.1620

90.0752, 0.3151,
0.3824

■ 15.7703, 0.2930,
0.1487

■ 90.4968, 0.3169,
0.3821

■ 14.4639, 0.2895,
0.1399

■ 90.9255, 0.3186,
0.3818

■ 13.7660, 0.2865,
0.1352

■ 91.3616, 0.3204,
0.3816

■ 91.8049, 0.3222,
0.3813

Harmonies

Analogous

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



42.0396, 0.2724, 0.2644



42.0396, 0.3098, 0.2752



42.0396, 0.3503, 0.2982

Triad

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



42.0396, 0.3098, 0.2752



42.0396, 0.3811, 0.3883



42.0396, 0.2480, 0.3231

Complementary

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



42.0396, 0.3098, 0.2752



54.4642, 0.3145, 0.3875

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.



42.0396, 0.2741, 0.3623



42.0396, 0.3098, 0.2752



42.0396, 0.3508, 0.4011

Square

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



42.0396, 0.3098, 0.2752



42.0396, 0.3929, 0.3613



42.0396, 0.3115, 0.3922



42.0396, 0.2386, 0.2890

Rectangle

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



42.0396, 0.3098, 0.2752



42.0396, 0.3729, 0.3181



42.0396, 0.3115, 0.3922



42.0396, 0.2550, 0.3362

Sweetspot

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



42.0414, 0.3098, 0.2752



90.2303, 0.3120, 0.3142



39.8418, 0.2775, 0.2789



19.0953, 0.3120, 0.3126



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.



42.0414, 0.3098, 0.2752



63.0724, 0.3089, 0.2627



42.1707, 0.3288, 0.2939



11.3232, 0.3116, 0.3060



8.5977, 0.2870, 0.1355



0.4655, 0.2940, 0.1393

Inverse Universe

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



41.2595, 0.3499, 0.3215



61.5913, 0.3610, 0.3198



54.4032, 0.2996, 0.3669



11.2382, 0.3269, 0.3259



8.1402, 0.6208, 0.3193



0.4283, 0.5759, 0.2946

Previews

White Background



This preview shows how the Yxy color 42.0396, 0.3098, 0.2752 looks on a white background.

Color Contrast Check

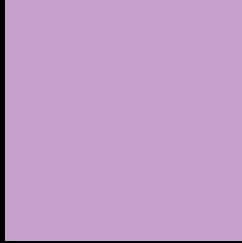
Large Text (above 18pt) WCAG AA × Fail

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 42.0396, 0.3098, 0.2752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

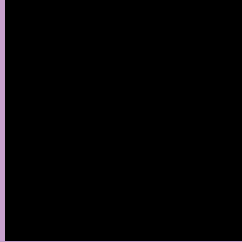
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.0396, 0.3098, 0.2752

Background



This preview shows how black text looks on a background with the Yxy color 42.0396, 0.3098, 0.2752.



This preview shows how white text looks on a background with the Yxy color 42.0396, 0.3098, 0.2752.

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

42.0396, 0.3098, 0.2752

Protanopia

42.3085, 0.2755, 0.2757

Deuteranopia

42.2914, 0.2914, 0.2862



Tritanopia

42.1292, 0.3283, 0.3124

Trichromacy



Original Color

42.0396, 0.3098, 0.2752

Protanomaly

42.0055, 0.2869, 0.2754

Deuteranomaly

42.1874, 0.2974, 0.2820

Tritanomaly

41.9175, 0.3215, 0.2987

Monochromacy



Original Color

42.0396, 0.3098, 0.2752

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.0280, 0.3119, 0.3082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0396, 0.3098, 0.2752 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(199, 161, 205)` looks like.

```
.text, #text, p{  
    color:rgb(199, 161, 205)  
}
```

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(199, 161, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 161, 205) }
```

Border

The CSS property to change the border of an element to Yxy 42.0396, 0.3098, 0.2752 is called "border". The border property can be set on classes, ids or directly on the HTML element.

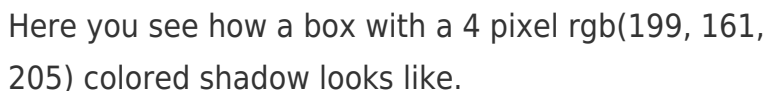
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 161, 205) }
```

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

```
.border{ border-color:rgb(199, 161, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(199, 161, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 161, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 161, 205); box-shadow:4px 4px 4px 4px rgb(199, 161, 205) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0396, 0.3098, 0.2752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 161, 205) }
```

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

```
.background{ background-color: rgb(199,  
161, 205) }
```

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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