

Converting Colors

$Y_{xy}(40.0473, 0.3087, 0.2575)$

Have a look what the booklet for
Yxy(40.0473, 0.3087, 0.2575)
contains.

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Color

Yxy(40.0473, 0.3087, 0.2575)

Conversions

Conversions Part 1

Format	Color
Hex	CC98D4
RGB	204, 152, 212
RGB Percent	80%, 60%, 83%
CMY	0.2000, 0.4039, 0.1687
CMYK	0.04, 0.28, 0.00, 0.17
HSL	292°, 41%, 71%
HSV	292°, 28%, 83%
XYZ	48.0101, 40.0473, 67.4661
YIQ	174.3880, 11.7320, 29.6840

Conversions

Conversions Part 2

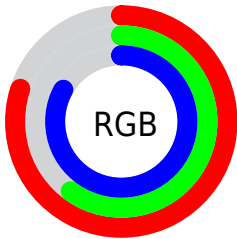
Format	Color
RYB	204, 152, 212
Decimal	13408468
CIELab	69.50, 29.65, -23.09
CIELCh	70, 37.579, 322.097
Yxy	40.0473, 0.3087, 0.2575
Android (android.graphics.Color)	4291598548 (0xFFCC98D4)
YUV	174.3880, 18.5427, 25.9697
Hunter-Lab	63.2829, 24.6753, -18.9112

Details

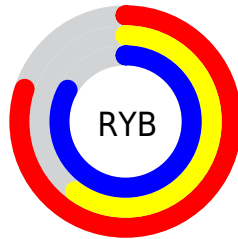
The Yxy color **40.0473, 0.3087, 0.2575** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **56.8107, 0.3146, 0.4091**, and the grayscale version is **42.4363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1056, 0.3149, 0.2821**, and **17.9382, 0.3067, 0.2388** is the 20% darker color. If you saturate the color by 10%, you get **33.3771, 0.3066, 0.2320**, and if you desaturate by 10%, it is **47.9577, 0.3104, 0.2833**.

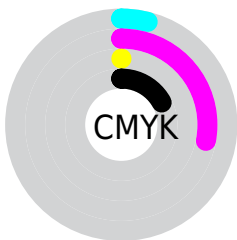
Distribution



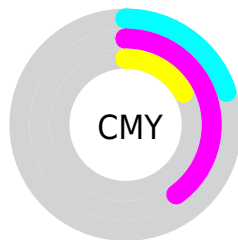
- Red (80%)
- Green (60%)
- Blue (83%)



- Red (80%)
- Yellow (60%)
- Blue (83%)



- Cyan (4%)
- Magenta (28%)
- Yellow (0%)
- Black (17%)




- Cyan (20%)
- Magenta (40%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0473, 0.3087, 0.2575 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 40.0473, 0.3087, 0.2575 by changing the saturation by 10% instead.


 40.0473, 0.3087,
0.2575


 40.0473, 0.3087,
0.2575


346.3229, 0.3115,
0.2920

 27.5754, 0.3078,
0.2493


 75.2355, 0.3099,
0.2698

 18.0059, 0.3065,
0.2390


 98.7207, 0.3103,
0.2744

 10.9542, 0.3045,
0.2256


126.6457, 0.3106,
0.2784

 6.0360, 0.3014,
0.2079

159.3950, 0.3109,
0.2819

 2.8670, 0.2961,
0.1831

197.3530, 0.3111,
0.2849

 1.0627, 0.2858,
0.1469

240.9040, 0.3112,

 0.0000, 0.2853,

0.2876

0.0000

290.4325, 0.3114,
0.2899

0.0000, 0.0000,
0.0000

40.0473, 0.3087,
0.2575

40.0473, 0.3087,
0.2575

33.3771, 0.3066,
0.2320

47.9577, 0.3104,
0.2833

27.8765, 0.3041,
0.2078

57.1638, 0.3118,
0.3087

23.4755, 0.3012,
0.1858

67.7239, 0.3129,
0.3331

20.0946, 0.2981,
0.1672

79.6915, 0.3136,
0.3560

17.6436, 0.2948,
0.1526

91.1909, 0.3144,
0.3743

■ 16.0164, 0.2913,
0.1425

■ 91.6292, 0.3161,
0.3741

■ 15.0552, 0.2879,
0.1365

■ 92.0750, 0.3179,
0.3739

■ 14.9167, 0.2873,
0.1356

■ 92.5282, 0.3197,
0.3736

■ 92.9889, 0.3215,
0.3734

Harmonies

Analogous

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



40.0473, 0.2582, 0.2427



40.0473, 0.3087, 0.2575



40.0473, 0.3649, 0.2877

Triad

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



40.0473, 0.3087, 0.2575



40.0473, 0.4052, 0.4089



40.0473, 0.2248, 0.3186

Complementary

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



40.0473, 0.3087, 0.2575



56.8107, 0.3146, 0.4091

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.



40.0473, 0.2588, 0.3747



40.0473, 0.3087, 0.2575



40.0473, 0.3627, 0.4291

Square

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



40.0473, 0.3087, 0.2575



40.0473, 0.4231, 0.3710



40.0473, 0.3089, 0.4180



40.0473, 0.2133, 0.2725

Rectangle

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



40.0473, 0.3087, 0.2575



40.0473, 0.3966, 0.3137



40.0473, 0.3089, 0.4180



40.0473, 0.2338, 0.3371

Sweetspot

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



40.0490, 0.3087, 0.2575



87.1572, 0.3118, 0.3092



36.5716, 0.2646, 0.2588



18.1707, 0.3117, 0.3054



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.



40.0490, 0.3087, 0.2575



54.4755, 0.3075, 0.2419



40.1694, 0.3362, 0.2833



12.5451, 0.3117, 0.3059



9.2434, 0.2878, 0.1359



0.5813, 0.2938, 0.1392

Inverse Universe

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



38.9897, 0.3662, 0.3193



52.6643, 0.3824, 0.3171



56.8039, 0.2949, 0.3797



12.4474, 0.3270, 0.3259



8.7018, 0.6218, 0.3199



0.5338, 0.5825, 0.2982

Previews

White Background



This preview shows how the Yxy color 40.0473, 0.3087, 0.2575 looks on a white background.

Color Contrast Check

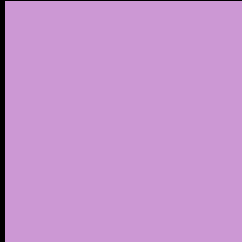
Large Text (above 18pt) WCAG AA × Fail

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 40.0473, 0.3087, 0.2575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

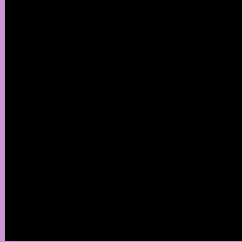
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0473, 0.3087, 0.2575

Background



This preview shows how black text looks on a background with the Yxy color 40.0473, 0.3087, 0.2575.



This preview shows how white text looks on a background with the Yxy color 40.0473, 0.3087, 0.2575.

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

40.0473, 0.3087, 0.2575

Protanopia

40.3556, 0.2602, 0.2563

Deuteranopia

40.0914, 0.2793, 0.2726



Tritanopia

40.1259, 0.3385, 0.3137

Trichromacy



Original Color

40.0473, 0.3087, 0.2575

Protanomaly

39.8922, 0.2759, 0.2555

Deuteranomaly

39.8462, 0.2891, 0.2666

Tritanomaly

39.9812, 0.3269, 0.2914

Monochromacy



Original Color

40.0473, 0.3087, 0.2575

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.2176, 0.3113, 0.3004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0473, 0.3087, 0.2575 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(204, 152, 212)` looks like.

```
.text, #text, p{  
    color:rgb(204, 152, 212)  
}
```

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(204, 152, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 152, 212) }
```

Border

The CSS property to change the border of an element to Yxy 40.0473, 0.3087, 0.2575 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(204, 152, 212) }
```

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

```
.border{ border-color:rgb(204, 152, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 152, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 152, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 152, 212);  
box-shadow:4px 4px 4px 4px rgb(204, 152,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0473, 0.3087, 0.2575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 152, 212) }
```

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

```
.background{ background-color: rgb(204,  
152, 212) }
```

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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