

Converting Colors

$Y_{xy}(40.5285, 0.3350, 0.2963)$

Have a look what the booklet for
Yxy(40.5285, 0.3350, 0.2963)
contains.

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Color

Yxy(40.5120, 0.3354, 0.2968)

Conversions

Conversions Part 1

Format	Color
Hex	CD9DB7
RGB	205, 157, 183
RGB Percent	80%, 62%, 72%
CMY	0.1961, 0.3843, 0.2824
CMYK	0.00, 0.23, 0.11, 0.20
HSL	328°, 32%, 71%
HSV	328°, 23%, 80%
XYZ	45.7807, 40.5120, 50.2032
YIQ	174.3160, 20.2620, 18.2620

Conversions

Conversions Part 2

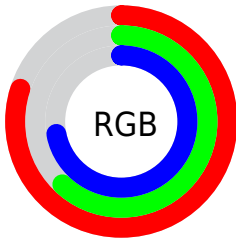
Format	Color
R_{YB}	205, 157, 183
Decimal	13475255
CIE _{Lab}	69.83, 21.97, -6.52
CIE _{LCh}	70, 22.918, 343.467
Yxy	40.5120, 0.3354, 0.2968
Android (android.graphics.Color)	4291665335 (0xFFCD9DB7)
YUV	174.3160, 4.2812, 26.9099
Hunter-Lab	63.6490, 17.0036, -2.2107

Details

The Yxy color **40.5120, 0.3354, 0.2968** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.0873, 0.2950, 0.3636**, and the grayscale version is **42.4691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5790, 0.3257, 0.3022**, and **18.1989, 0.3419, 0.2873** is the 20% darker color. If you saturate the color by 10%, you get **33.7706, 0.3483, 0.2824**, and if you desaturate by 10%, it is **48.4470, 0.3245, 0.3110**.

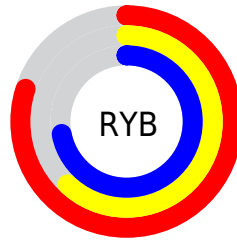
Distribution



Red (80%)

Green (62%)

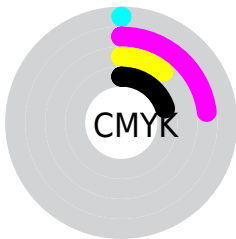
Blue (72%)



Red (80%)

Yellow (62%)

Blue (72%)

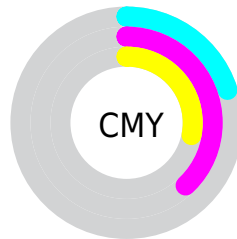


Cyan (0%)

Magenta (23%)

Yellow (11%)

Black (20%)



Cyan (20%)


Magenta (38%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5120, 0.3354, 0.2968 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 40.5120, 0.3354, 0.2968 by changing the saturation by 10% instead.


 40.5120, 0.3354,
0.2968

 40.5120, 0.3354,
0.2968


348.2769, 0.3240,
0.3129

 27.9380, 0.3383,
0.2928


 75.9425, 0.3312,
0.3026

 18.2789, 0.3420,
0.2877


 99.5678, 0.3297,
0.3048

 11.1504, 0.3469,
0.2808


127.6457, 0.3284,
0.3067

 6.1681, 0.3539,
0.2713

160.5605, 0.3272,
0.3083

 2.9476, 0.3643,
0.2572

198.6966, 0.3263,
0.3097

 1.1044, 0.3819,
0.2341

242.4384, 0.3254,

 0.0000, 0.5434,

0.3109

0.0000

292.1704, 0.3247,
0.3119

0.0000, 0.0000,
0.0000

40.5120, 0.3354,
0.2968

40.5120, 0.3354,
0.2968

33.7706, 0.3483,
0.2824

48.4470, 0.3245,
0.3110

28.1587, 0.3635,
0.2683

57.6247, 0.3154,
0.3245

23.6148, 0.3809,
0.2554

68.0978, 0.3079,
0.3373

20.0688, 0.4004,
0.2448

79.9147, 0.3017,
0.3492

17.4424, 0.4217,
0.2375

90.2121, 0.2964,
0.3555

■ 15.6455, 0.4437,
0.2349

■ 90.7546, 0.2914,
0.3454

■ 14.5693, 0.4656,
0.2376

■ 91.3259, 0.2865,
0.3354

■ 14.1272, 0.4797,
0.2416

■ 91.7194, 0.2833,
0.3289

Harmonies

Analogous

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



40.5120, 0.3012, 0.2796



40.5120, 0.3354, 0.2968



40.5120, 0.3645, 0.3217

Triad

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



40.5120, 0.3354, 0.2968



40.5120, 0.3531, 0.3880



40.5120, 0.2507, 0.3027

Complementary

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



40.5120, 0.3354, 0.2968



54.0873, 0.2950, 0.3636

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.



40.5120, 0.2630, 0.3334



40.5120, 0.3354, 0.2968



40.5120, 0.3214, 0.3853

Square

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



40.5120, 0.3354, 0.2968



40.5120, 0.3746, 0.3740



40.5120, 0.2885, 0.3647



40.5120, 0.2538, 0.2817

Rectangle

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



40.5120, 0.3354, 0.2968



40.5120, 0.3762, 0.3403



40.5120, 0.2885, 0.3647



40.5120, 0.2531, 0.3122

Sweetspot

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



40.5138, 0.3354, 0.2968



88.6193, 0.3186, 0.3196



38.0602, 0.2917, 0.2670



18.7688, 0.3191, 0.3188



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.



40.5138, 0.3354, 0.2968



60.6631, 0.3415, 0.2897



39.6124, 0.3583, 0.3261



11.3136, 0.3207, 0.3165



8.8140, 0.4768, 0.2400



0.4699, 0.4382, 0.2188

Inverse Universe

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



40.5138, 0.3354, 0.2968



60.6631, 0.3415, 0.2897



55.1249, 0.2799, 0.3320



11.3136, 0.3207, 0.3165



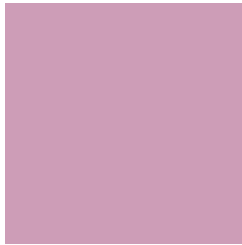
8.8140, 0.4768, 0.2400



0.4699, 0.4382, 0.2188

Previews

White Background



This preview shows how the Yxy color 40.5120, 0.3354, 0.2968 looks on a white background.

Color Contrast Check

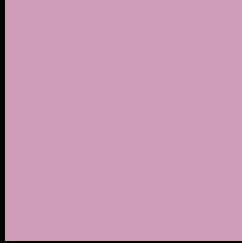
Large Text (above 18pt) WCAG AA × Fail

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 40.5120, 0.3354, 0.2968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

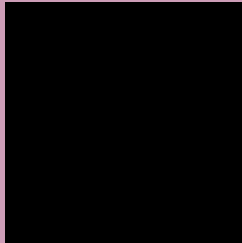
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5120, 0.3354, 0.2968

Background



This preview shows how black text looks on a background with the Yxy color 40.5120, 0.3354, 0.2968.



This preview shows how white text looks on a background with the Yxy color 40.5120, 0.3354, 0.2968.

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

40.5120, 0.3354, 0.2968

Protanopia

40.8359, 0.2939, 0.3006

Deuteranopia

40.6759, 0.3155, 0.3092



Tritanopia

40.5739, 0.3455, 0.3140

Trichromacy



Original Color

40.5120, 0.3354, 0.2968

Protanomaly

40.3649, 0.3078, 0.2987

Deuteranomaly

40.6482, 0.3223, 0.3045

Tritanomaly

40.3862, 0.3419, 0.3077

Monochromacy



Original Color

40.5120, 0.3354, 0.2968

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.4939, 0.3206, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5120, 0.3354, 0.2968 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(205, 157, 183)` looks like.

```
.text, #text, p{  
    color:rgb(205, 157, 183)  
}
```

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(205, 157, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 157, 183) }
```

Border

The CSS property to change the border of an element to Yxy 40.5120, 0.3354, 0.2968 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(205, 157, 183) }
```

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

```
.border{ border-color:rgb(205, 157, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 157, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 157, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 157, 183);  
box-shadow:4px 4px 4px 4px rgb(205, 157,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5120, 0.3354, 0.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 157, 183) }
```

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

```
.background{ background-color: rgb(205,  
157, 183) }
```

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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