

Converting Colors

$Y_{xy}(40.0007, 0.3233, 0.2843)$

Have a look what the booklet for
Yxy(40.0007, 0.3233, 0.2843)
contains.

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Color

Yxy(40.0002, 0.3234, 0.2843)

Conversions

Conversions Part 1

Format	Color
Hex	C99CC0
RGB	201, 156, 192
RGB Percent	79%, 61%, 75%
CMY	0.2116, 0.3883, 0.2470
CMYK	0.00, 0.22, 0.04, 0.21
HSL	312°, 29%, 70%
HSV	312°, 22%, 79%
XYZ	45.5015, 40.0002, 55.1955
YIQ	173.5590, 15.2640, 20.7360

Conversions

Conversions Part 2

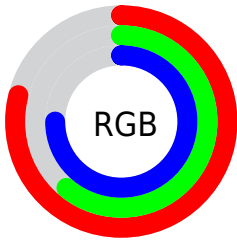
Format	Color
R _Y B	201, 156, 192
Decimal	13212864
CIE Lab	69.47, 22.74, -12.11
CIE LCh	69, 25.759, 331.963
Yxy	40.0002, 0.3234, 0.2843
Android (android.graphics.Color)	4291402944 (0xFFC99CC0)
YUV	173.5590, 9.0914, 24.0658
Hunter-Lab	63.2457, 17.7399, -7.4713

Details

The Yxy color $40.0002, 0.3234, 0.2843$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $51.5824, 0.3036, 0.3783$, and the grayscale version is $42.0390, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.6258, 0.3195, 0.2926$, and $17.8757, 0.3248, 0.2705$ is the 20% darker color. If you saturate the color by 10%, you get $33.6282, 0.3293, 0.2639$, and if you desaturate by 10%, it is $47.4974, 0.3182, 0.3046$.

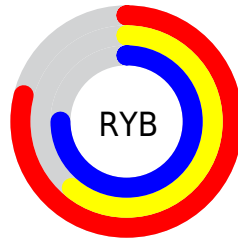
Distribution



Red (79%)

Green (61%)

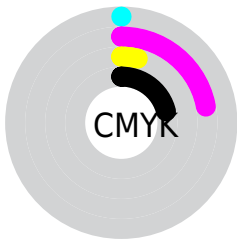
Blue (75%)



Red (79%)

Yellow (61%)

Blue (75%)

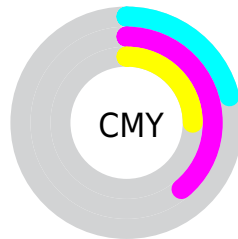


Cyan (0%)

Magenta (22%)

Yellow (4%)

Black (21%)



Cyan (21%)

Magenta (39%)

Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0002, 0.3234, 0.2843 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 40.0002, 0.3234, 0.2843 by changing the saturation by 10% instead.


 40.0002, 0.3234,
0.2843

 40.0002, 0.3234,
0.2843


346.1244, 0.3183,
0.3064

 27.5387, 0.3246,
0.2789


 75.1638, 0.3216,
0.2923

 17.9782, 0.3261,
0.2719


 98.6347, 0.3209,
0.2953

 10.9343, 0.3280,
0.2628


126.5442, 0.3203,
0.2978

 6.0227, 0.3306,
0.2502

159.2767, 0.3198,
0.3000

 2.8589, 0.3341,
0.2319

197.2166, 0.3193,
0.3019

 1.0585, 0.3389,
0.2027

240.7482, 0.3190,

 0.0000, 0.3895,

0.3036

0.0000

290.2560, 0.3186,
0.3051

0.0000, 0.0000,
0.0000

40.0002, 0.3234,
0.2843

40.0002, 0.3234,
0.2843

33.6282, 0.3293,
0.2639

47.4974, 0.3182,
0.3046

28.3211, 0.3359,
0.2441

56.1657, 0.3137,
0.3244

24.0211, 0.3431,
0.2259

66.0548, 0.3098,
0.3431

20.6628, 0.3507,
0.2102

77.2100, 0.3066,
0.3607

18.1728, 0.3586,
0.1979

88.7079, 0.3038,
0.3755

■ 16.4672, 0.3664,
0.1900

■ 88.9143, 0.3016,
0.3710

■ 15.4452, 0.3740,
0.1866

■ 89.1259, 0.2994,
0.3665

■ 14.9876, 0.3796,
0.1865

■ 89.3427, 0.2972,
0.3620

■ 89.5647, 0.2950,
0.3575

Harmonies

Analogous

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



40.0002, 0.2858, 0.2696



40.0002, 0.3234, 0.2843



40.0002, 0.3600, 0.3093

Triad

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



40.0002, 0.3234, 0.2843



40.0002, 0.3692, 0.3913



40.0002, 0.2464, 0.3114

Complementary

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



40.0002, 0.3234, 0.2843



51.5824, 0.3036, 0.3783

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.



40.0002, 0.2662, 0.3480



40.0002, 0.3234, 0.2843



40.0002, 0.3366, 0.3966

Square

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



40.0002, 0.3234, 0.2843



40.0002, 0.3870, 0.3696



40.0002, 0.2989, 0.3807



40.0002, 0.2433, 0.2829

Rectangle

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



40.0002, 0.3234, 0.2843



40.0002, 0.3779, 0.3293



40.0002, 0.2989, 0.3807



40.0002, 0.2512, 0.3232

Sweetspot

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



40.0020, 0.3234, 0.2843



88.9066, 0.3157, 0.3152



35.9894, 0.2828, 0.2682



18.8354, 0.3160, 0.3140



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.



40.0020, 0.3234, 0.2843



62.8027, 0.3262, 0.2742



39.0794, 0.3447, 0.3118



10.7787, 0.3168, 0.3107



9.4313, 0.3786, 0.1860



0.4561, 0.3644, 0.1781

Inverse Universe

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



40.0020, 0.3234, 0.2843



62.8027, 0.3262, 0.2742



52.4754, 0.2885, 0.3469



10.7787, 0.3168, 0.3107



9.4313, 0.3786, 0.1860



0.4561, 0.3644, 0.1781

Previews

White Background



This preview shows how the Yxy color 40.0002, 0.3234, 0.2843 looks on a white background.

Color Contrast Check

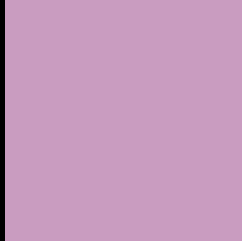
Large Text (above 18pt) WCAG AA × Fail

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 40.0002, 0.3234, 0.2843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

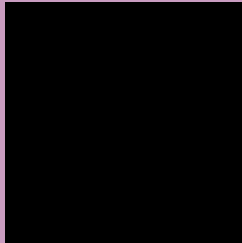
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0002, 0.3234, 0.2843

Background



This preview shows how black text looks on a background with the Yxy color 40.0002, 0.3234, 0.2843.



This preview shows how white text looks on a background with the Yxy color 40.0002, 0.3234, 0.2843.

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

40.0002, 0.3234, 0.2843

Protanopia

40.0679, 0.2837, 0.2860

Deuteranopia

39.9751, 0.3025, 0.2958



Tritanopia

40.1259, 0.3385, 0.3137

Trichromacy



Original Color

40.0002, 0.3234, 0.2843

Protanomaly

39.9292, 0.2968, 0.2857

Deuteranomaly

40.0414, 0.3099, 0.2914

Tritanomaly

40.1931, 0.3331, 0.3037

Monochromacy



Original Color

40.0002, 0.3234, 0.2843

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.1640, 0.3163, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0002, 0.3234, 0.2843 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(201, 156, 192)` looks like.

```
.text, #text, p{  
    color:rgb(201, 156, 192)  
}
```

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(201, 156, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 156, 192) }
```

Border

The CSS property to change the border of an element to Yxy 40.0002, 0.3234, 0.2843 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(201, 156, 192) }
```

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

```
.border{ border-color:rgb(201, 156, 192) }
```

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

Here you see how a box with a 4 pixel rgb(201, 156, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 156, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 156, 192);  
box-shadow:4px 4px 4px 4px rgb(201, 156,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0002, 0.3234, 0.2843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 156, 192) }
```

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

```
.background{ background-color: rgb(201,  
156, 192) }
```

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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