

Converting Colors

$Y_{xy}(34.5842, 0.3202, 0.2600)$

Have a look what the booklet for
Yxy(34.5842, 0.3202, 0.2600)
contains.

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Color

Yxy(34.5475, 0.3200, 0.2593)

Conversions

Conversions Part 1

Format	Color
Hex	C78BC3
RGB	199, 139, 195
RGB Percent	78%, 55%, 76%
CMY	0.2196, 0.4549, 0.2353
CMYK	0.00, 0.30, 0.02, 0.22
HSL	304°, 35%, 66%
HSV	304°, 30%, 78%
XYZ	42.6348, 34.5475, 56.0514
YIQ	163.3240, 17.7840, 30.1360

Conversions

Conversions Part 2

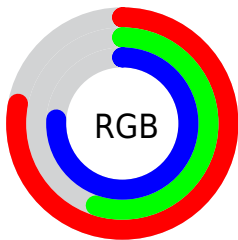
Format	Color
RYB	199, 139, 195
Decimal	13077443
CIELab	65.39, 31.91, -19.95
CIELCh	65, 37.633, 327.980
Yxy	34.5475, 0.3200, 0.2593
Android (android.graphics.Color)	4291267523 (0xFFC78BC3)
YUV	163.3240, 15.6163, 31.2879
Hunter-Lab	58.7771, 26.6174, -15.3965

Details

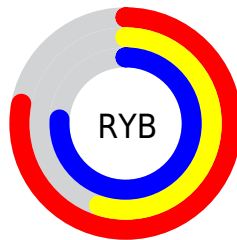
The Yxy color **34.5475, 0.3200, 0.2593** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.3169, 0.3060, 0.4103**, and the grayscale version is **36.7063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.4282, 0.3177, 0.2710**, and **14.8318, 0.3212, 0.2406** is the 20% darker color. If you saturate the color by 10%, you get **29.2413, 0.3228, 0.2368**, and if you desaturate by 10%, it is **40.9061, 0.3174, 0.2826**.

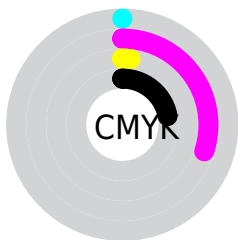
Distribution



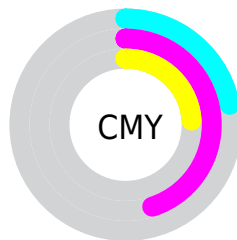
- Red (78%)
- Green (55%)
- Blue (76%)



- Red (78%)
- Yellow (55%)
- Blue (76%)



- Cyan (0%)
- Magenta (30%)
- Yellow (2%)
- Black (22%)





- Cyan (22%)
- Magenta (45%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5475, 0.3200, 0.2593 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 34.5475, 0.3200, 0.2593 by changing the saturation by 10% instead.


 34.5475, 0.3200,
0.2593


 34.5475, 0.3200,
0.2593


322.5665, 0.3170,
0.2938


 23.3145, 0.3205,
0.2508


 66.7842, 0.3191,
0.2717

 14.8259, 0.3211,
0.2401


 88.5567, 0.3187,
0.2764

 8.6973, 0.3216,
0.2260


 114.6111, 0.3183,
0.2804

 4.5443, 0.3218,
0.2067

145.3319, 0.3180,
0.2839

 1.9824, 0.3212,
0.1790

181.1034, 0.3177,
0.2868

 0.5972, 0.3195,
0.1312

222.3101, 0.3175,

 0.0000, 0.2595,

0.2894


0.0000


269.3363, 0.3172,
0.2917


 0.0000, 0.0000,
0.0000


 34.5475, 0.3200,
0.2593


 34.5475, 0.3200,
0.2593


 29.2413, 0.3228,
0.2368


 40.9061, 0.3174,
0.2826

 24.9261, 0.3257,
0.2160


 48.3652, 0.3149,
0.3060


 21.5409, 0.3285,
0.1978


 56.9754, 0.3127,
0.3287

 19.0163, 0.3313,
0.1832

 66.7829, 0.3108,
0.3503


 17.2733, 0.3340,
0.1726

 77.8313, 0.3090,
0.3707

 16.2182, 0.3363,
0.1664

 87.9706, 0.3076,
0.3862

 15.6758, 0.3384,
0.1638

 88.0340, 0.3069,
0.3847

 88.0980, 0.3062,
0.3831

 88.1624, 0.3055,
0.3816

Harmonies

Analogous

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



34.5475, 0.2647, 0.2403



34.5475, 0.3200, 0.2593



34.5475, 0.3783, 0.2932

Triad

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



34.5475, 0.3200, 0.2593



34.5475, 0.4025, 0.4187



34.5475, 0.2164, 0.3069

Complementary

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



34.5475, 0.3200, 0.2593



48.3169, 0.3060, 0.4103

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.



34.5475, 0.2473, 0.3657



34.5475, 0.3200, 0.2593



34.5475, 0.3542, 0.4351

Square

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



34.5475, 0.3200, 0.2593



34.5475, 0.4276, 0.3811



34.5475, 0.2973, 0.4164



34.5475, 0.2092, 0.2624

Rectangle

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



34.5475, 0.3200, 0.2593



34.5475, 0.4087, 0.3213



34.5475, 0.2973, 0.4164



34.5475, 0.2241, 0.3257

Sweetspot

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



34.5490, 0.3200, 0.2593



86.1234, 0.3147, 0.3083



28.3422, 0.2626, 0.2424



17.9881, 0.3151, 0.3049



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.



34.5490, 0.3200, 0.2593



54.3582, 0.3218, 0.2448



33.3621, 0.3496, 0.2941



10.8040, 0.3148, 0.3077



10.0858, 0.3382, 0.1637



0.4813, 0.3342, 0.1615

Inverse Universe

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



34.5490, 0.3200, 0.2593



54.3582, 0.3218, 0.2448



49.3123, 0.2867, 0.3671



10.8040, 0.3148, 0.3077



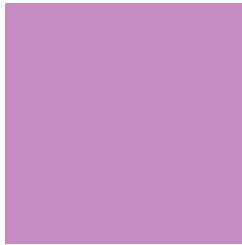
10.0858, 0.3382, 0.1637



0.4813, 0.3342, 0.1615

Previews

White Background



This preview shows how the Yxy color 34.5475, 0.3200, 0.2593 looks on a white background.

Color Contrast Check

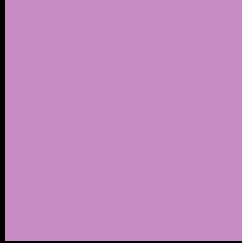
Large Text (above 18pt) WCAG AA × Fail

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 34.5475, 0.3200, 0.2593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

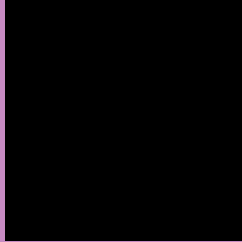
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5475, 0.3200, 0.2593

Background



This preview shows how black text looks on a background with the Yxy color 34.5475, 0.3200, 0.2593.



This preview shows how white text looks on a background with the Yxy color 34.5475, 0.3200, 0.2593.

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

34.5475, 0.3200, 0.2593

Protanopia

34.6878, 0.2614, 0.2582

Deuteranopia

34.8518, 0.2838, 0.2786



Tritanopia

34.4614, 0.3523, 0.3145

Trichromacy



Original Color

34.5475, 0.3200, 0.2593

Protanomaly

34.1238, 0.2809, 0.2576

Deuteranomaly

34.5472, 0.2963, 0.2711

Tritanomaly

34.3210, 0.3405, 0.2926

Monochromacy



Original Color

34.5475, 0.3200, 0.2593

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.4365, 0.3150, 0.3001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5475, 0.3200, 0.2593 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, 139, 195)` looks like.

```
.text, #text, p{  
    color:rgb(199, 139, 195)  
}
```

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, 139, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 139, 195) }
```

Border

The CSS property to change the border of an element to Yxy 34.5475, 0.3200, 0.2593 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, 139, 195) }
```

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

```
.border{ border-color:rgb(199, 139, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 139, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 139, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 139, 195);  
box-shadow:4px 4px 4px 4px rgb(199, 139,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5475, 0.3200, 0.2593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 139, 195) }
```

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

```
.background{ background-color: rgb(199,  
139, 195) }
```

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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