

Converting Colors

$Y_{xy}(31.8991, 0.3420, 0.2797)$

Have a look what the booklet for
Yxy(31.8991, 0.3420, 0.2797)
contains.

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Color

Yxy(31.8991, 0.3420, 0.2797)

Conversions

Conversions Part 1

Format	Color
Hex	C586AC
RGB	197, 134, 172
RGB Percent	77%, 53%, 67%
CMY	0.2274, 0.4746, 0.3254
CMYK	0.00, 0.32, 0.13, 0.23
HSL	324°, 35%, 65%
HSV	324°, 32%, 77%
XYZ	39.0043, 31.8991, 43.1442
YIQ	157.1690, 25.3500, 25.1740

Conversions

Conversions Part 2

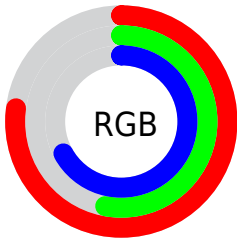
Format	Color
RYB	197, 134, 172
Decimal	12945068
CIELab	63.26, 29.92, -10.24
CIELCh	63, 31.629, 341.101
Yxy	31.8991, 0.3420, 0.2797
Android (android.graphics.Color)	4291135148 (0xFFC586AC)
YUV	157.1690, 7.3117, 34.9318
Hunter-Lab	56.4793, 24.4323, -5.7558

Details

The Yxy color **31.8991, 0.3420, 0.2797** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.5143, 0.2916, 0.3843**, and the grayscale version is **33.7562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5833, 0.3363, 0.2894**, and **13.2934, 0.3504, 0.2641** is the 20% darker color. If you saturate the color by 10%, you get **26.6612, 0.3547, 0.2641**, and if you desaturate by 10%, it is **38.1721, 0.3311, 0.2956**.

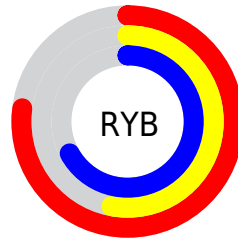
Distribution



Red (77%)

Green (53%)

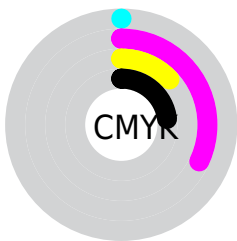
Blue (67%)



Red (77%)

Yellow (53%)

Blue (67%)

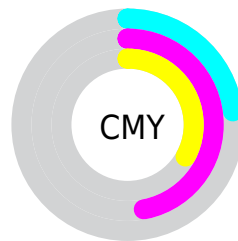


Cyan (0%)

Magenta (32%)

Yellow (13%)

Black (23%)



Cyan (23%)


Magenta (47%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8991, 0.3420, 0.2797 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 31.8991, 0.3420, 0.2797 by changing the saturation by 10% instead.


 31.8991, 0.3420,
0.2797

 31.8991, 0.3420,
0.2797

310.6594, 0.3269,
0.3049


 21.2844, 0.3459,
0.2732


 62.6529, 0.3364,
0.2890

 13.3321, 0.3510,
0.2649


 83.5608, 0.3344,
0.2924

 7.6576, 0.3579,
0.2536


 108.6686, 0.3326,
0.2953

 3.8767, 0.3679,
0.2375

138.3606, 0.3311,
0.2978

 1.6048, 0.3833,
0.2129

173.0213, 0.3299,
0.2999

 0.3608, 0.4258,
0.1403

213.0351, 0.3288,

 0.0000, 1.0000,

0.3018

0.0000

258.7863, 0.3278,
0.3034

0.0000, 0.0000,
0.0000

31.8991, 0.3420,
0.2797

31.8991, 0.3420,
0.2797

26.6612, 0.3547,
0.2641

38.1721, 0.3311,
0.2956

22.3973, 0.3691,
0.2496

45.5283, 0.3219,
0.3112

19.0466, 0.3853,
0.2372


54.0178, 0.3141,
0.3261

16.5395, 0.4027,
0.2281


63.6866, 0.3076,
0.3402

14.7964, 0.4209,
0.2234


74.5779, 0.3022,
0.3533


 13.7221, 0.4390,
0.2237

 86.7327, 0.2978,
0.3654

 13.2030, 0.4533,
0.2271

 88.9245, 0.2936,
0.3595

 89.3651, 0.2894,
0.3509

 89.8255, 0.2854,
0.3424

Harmonies

Analogous

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



31.8991, 0.2911, 0.2565



31.8991, 0.3420, 0.2797



31.8991, 0.3876, 0.3141

Triad

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



31.8991, 0.3420, 0.2797



31.8991, 0.3747, 0.4161



31.8991, 0.2230, 0.2915

Complementary

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



31.8991, 0.3420, 0.2797



47.5143, 0.2916, 0.3843

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.



31.8991, 0.2417, 0.3384



31.8991, 0.3420, 0.2797



31.8991, 0.3280, 0.4167

Square

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



31.8991, 0.3420, 0.2797



31.8991, 0.4061, 0.3910



31.8991, 0.2794, 0.3870



31.8991, 0.2259, 0.2604

Rectangle

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



31.8991, 0.3420, 0.2797



31.8991, 0.4067, 0.3404



31.8991, 0.2794, 0.3870



31.8991, 0.2269, 0.3058

Sweetspot

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



31.9006, 0.3420, 0.2797



84.1614, 0.3203, 0.3140



28.3642, 0.2782, 0.2410



17.5742, 0.3215, 0.3118



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.



31.9006, 0.3420, 0.2797



50.7353, 0.3501, 0.2694



30.8543, 0.3766, 0.3194



10.7426, 0.3197, 0.3152



8.6986, 0.4511, 0.2259



0.4259, 0.4170, 0.2071

Inverse Universe

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



31.9006, 0.3420, 0.2797



50.7353, 0.3501, 0.2694



48.7149, 0.2719, 0.3391



10.7426, 0.3197, 0.3152



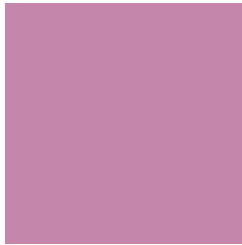
8.6986, 0.4511, 0.2259



0.4259, 0.4170, 0.2071

Previews

White Background



This preview shows how the Yxy color 31.8991, 0.3420, 0.2797 looks on a white background.

Color Contrast Check

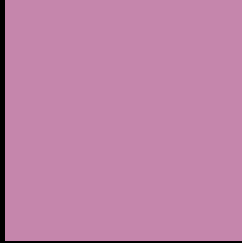
Large Text (above 18pt) WCAG AA × Fail

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 31.8991, 0.3420, 0.2797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

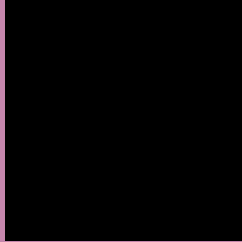
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8991, 0.3420, 0.2797

Background



This preview shows how black text looks on a background with the Yxy color 31.8991, 0.3420, 0.2797.



This preview shows how white text looks on a background with the Yxy color 31.8991, 0.3420, 0.2797.

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

31.8991, 0.3420, 0.2797

Protanopia

32.1202, 0.2802, 0.2820

Deuteranopia

31.9365, 0.3061, 0.2998



Tritanopia

31.8162, 0.3632, 0.3143

Trichromacy



Original Color

31.8991, 0.3420, 0.2797

Protanomaly

31.5454, 0.3001, 0.2794

Deuteranomaly

31.8475, 0.3186, 0.2925

Tritanomaly

31.9277, 0.3556, 0.3025

Monochromacy



Original Color

31.8991, 0.3420, 0.2797

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.8742, 0.3238, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8991, 0.3420, 0.2797 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(197, 134, 172)` looks like.

```
.text, #text, p{  
    color:rgb(197, 134, 172)  
}
```

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(197, 134, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 134, 172) }
```

Border

The CSS property to change the border of an element to Yxy 31.8991, 0.3420, 0.2797 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(197, 134, 172) }
```

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

```
.border{ border-color:rgb(197, 134, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 134, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 134, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 134, 172);  
box-shadow:4px 4px 4px 4px rgb(197, 134,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8991, 0.3420, 0.2797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 134, 172) }
```

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

```
.background{ background-color: rgb(197,  
134, 172) }
```

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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