

Converting Colors

$Y_{xy}(31.9000, 0.3821, 0.3207)$

Have a look what the booklet for
Yxy(31.9000, 0.3821, 0.3207)
contains.

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Color

Yxy(31.8375, 0.3810, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	CA878E
RGB	202, 135, 142
RGB Percent	79%, 53%, 56%
CMY	0.2078, 0.4706, 0.4430
CMYK	0.00, 0.33, 0.30, 0.21
HSL	354°, 39%, 66%
HSV	354°, 33%, 79%
XYZ	37.9065, 31.8375, 29.7482
YIQ	155.8310, 37.6850, 16.3810

Conversions

Conversions Part 2

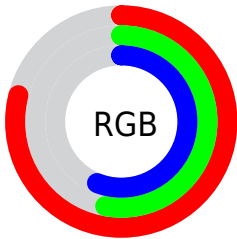
Format	Color
R _Y B	202, 135, 142
Decimal	13272974
CIE Lab	63.21, 26.62, 6.79
CIE LCh	63, 27.477, 14.306
Yxy	31.8375, 0.3810, 0.3200
Android (android.graphics.Color)	4291463054 (0xFFCA878E)
YUV	155.8310, -6.8187, 40.4902
Hunter-Lab	56.4247, 21.1743, 8.2385

Details

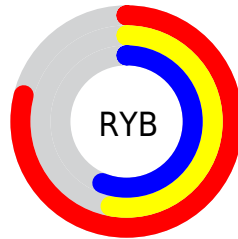
The Yxy color **31.8375, 0.3810, 0.3200** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **51.3347, 0.2701, 0.3385**, and the grayscale version is **33.1863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6407, 0.3624, 0.3219**, and **13.2243, 0.4041, 0.3151** is the 20% darker color. If you saturate the color by 10%, you get **26.2269, 0.4126, 0.3174**, and if you desaturate by 10%, it is **38.6087, 0.3551, 0.3228**.

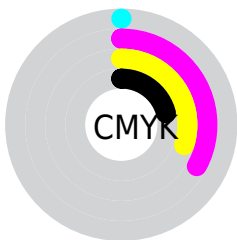
Distribution



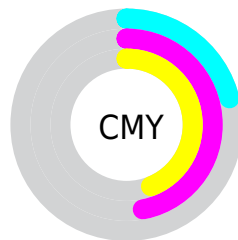
- Red (79%)
- Green (53%)
- Blue (56%)



- Red (79%)
- Yellow (53%)
- Blue (56%)



- Cyan (0%)
- Magenta (33%)
- Yellow (30%)
- Black (21%)




- Cyan (21%)
- Magenta (47%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8375, 0.3810, 0.3200 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 31.8375, 0.3810, 0.3200 by changing the saturation by 10% instead.

 31.8375, 0.3810,
0.3200


 31.8375, 0.3810,
0.3200


310.3783, 0.3444,
0.3254

 21.2374, 0.3910,
0.3183


 62.5563, 0.3671,
0.3222

 13.2977, 0.4043,
0.3159


 83.4437, 0.3621,
0.3230

 7.6338, 0.4231,
0.3122


 108.5291, 0.3579,
0.3236

 3.8616, 0.4513,
0.3061

138.1967, 0.3543,
0.3241

 1.5964, 0.4978,
0.2945

172.8311, 0.3513,
0.3245

 0.3552, 0.7372,
0.2628


212.8166, 0.3487,

 0.0000, 0.0000,


0.3248

0.0000


258.5375, 0.3464,
0.3252

 31.8375, 0.3810,
0.3200

 31.8375, 0.3810,
0.3200


 26.2269, 0.4126,
0.3174


 38.6087, 0.3551,
0.3228

 21.7074, 0.4503,
0.3152


 46.5957, 0.3342,
0.3256

 18.2092, 0.4930,
0.3140


 55.8558, 0.3173,
0.3282

 15.6526, 0.5379,
0.3144

 66.4412, 0.3038,
0.3306

 13.9458, 0.5800,
0.3167

 78.4012, 0.2929,
0.3328

 12.9790, 0.6130,
0.3209

 91.0124, 0.2839,
0.3336

 12.6124, 0.6286,
0.3236

 91.2976, 0.2816,
0.3289

Harmonies

Analogous

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



31.8375, 0.3431, 0.2886



31.8375, 0.3810, 0.3200



31.8375, 0.3993, 0.3552

Triad

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



31.8375, 0.3810, 0.3200



31.8375, 0.3219, 0.4029



31.8375, 0.2378, 0.2673

Complementary

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



31.8375, 0.3810, 0.3200



51.3347, 0.2701, 0.3385

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.



31.8375, 0.2332, 0.2932



31.8375, 0.3810, 0.3200



31.8375, 0.2798, 0.3750

Square

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



31.8375, 0.3810, 0.3200



31.8375, 0.3633, 0.4060



31.8375, 0.2480, 0.3328



31.8375, 0.2608, 0.2587

Rectangle

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



31.8375, 0.3810, 0.3200



31.8375, 0.3974, 0.3772



31.8375, 0.2480, 0.3328



31.8375, 0.2341, 0.2740

Sweetspot

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



31.8390, 0.3810, 0.3200



83.4118, 0.3287, 0.3264



33.0868, 0.3088, 0.2455



17.3935, 0.3312, 0.3260



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.



31.8390, 0.3810, 0.3200



46.7118, 0.4037, 0.3180



39.6868, 0.3783, 0.3624



11.2325, 0.3274, 0.3266



8.1217, 0.6266, 0.3225



0.4256, 0.5892, 0.3019

Inverse Universe

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



31.8390, 0.3810, 0.3200



46.7118, 0.4037, 0.3180



40.5921, 0.2614, 0.2928



11.2325, 0.3274, 0.3266



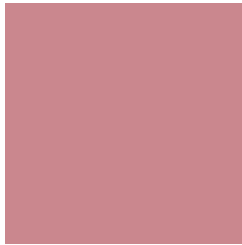
8.1217, 0.6266, 0.3225



0.4256, 0.5892, 0.3019

Previews

White Background



This preview shows how the Yxy color 31.8375, 0.3810, 0.3200 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 31.8375, 0.3810, 0.3200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

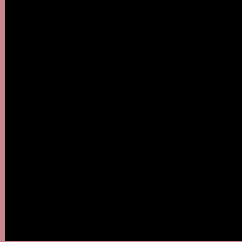
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8375, 0.3810, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 31.8375, 0.3810, 0.3200.



This preview shows how white text looks on a background with the Yxy color 31.8375, 0.3810, 0.3200.

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

31.8375, 0.3810, 0.3200

Protanopia

32.1174, 0.3167, 0.3305

Deuteranopia

31.9575, 0.3472, 0.3408



Tritanopia

31.9288, 0.3775, 0.3161

Trichromacy



Original Color

31.8375, 0.3810, 0.3200

Protanomaly

31.5801, 0.3394, 0.3262

Deuteranomaly

31.7584, 0.3595, 0.3320

Tritanomaly

31.8981, 0.3787, 0.3174

Monochromacy



Original Color

31.8375, 0.3810, 0.3200

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.2984, 0.3359, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8375, 0.3810, 0.3200 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(202, 135, 142)` looks like.

```
.text, #text, p{  
    color:rgb(202, 135, 142)  
}
```

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(202, 135, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 135, 142) }
```

Border

The CSS property to change the border of an element to Yxy 31.8375, 0.3810, 0.3200 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(202, 135, 142) }
```

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

```
.border{ border-color:rgb(202, 135, 142) }
```

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

Here you see how a box with a 4 pixel rgb(202, 135, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 135, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 135, 142);  
box-shadow:4px 4px 4px 4px rgb(202, 135,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8375, 0.3810, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 135, 142) }
```

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

```
.background{ background-color: rgb(202,  
135, 142) }
```

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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