

Converting Colors

$Y_{xy}(31.9720, 0.3821, 0.3207)$

Have a look what the booklet for
Yxy(31.9720, 0.3821, 0.3207)
contains.

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Color

Yxy(31.9774, 0.3821, 0.3201)

Conversions

Conversions Part 1

Format	Color
Hex	CB878E
RGB	203, 135, 142
RGB Percent	80%, 53%, 56%
CMY	0.2040, 0.4705, 0.4432
CMYK	0.00, 0.33, 0.30, 0.20
HSL	354°, 40%, 66%
HSV	354°, 33%, 80%
XYZ	38.1711, 31.9774, 29.7497
YIQ	156.1300, 38.2810, 16.5930

Conversions

Conversions Part 2

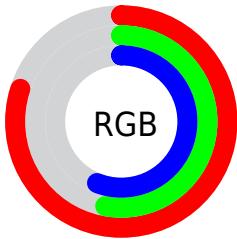
Format	Color
R _Y B	203, 135, 142
Decimal	13338510
CIE Lab	63.32, 26.98, 6.99
CIE LCh	63, 27.870, 14.519
Yxy	31.9774, 0.3821, 0.3201
Android (android.graphics.Color)	4291528590 (0xFFCB878E)
YUV	156.1300, -6.9661, 41.1050
Hunter-Lab	56.5486, 21.5301, 8.3921

Details

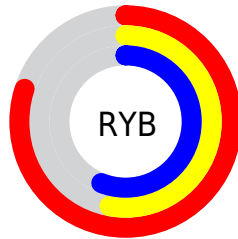
The Yxy color **31.9774, 0.3821, 0.3201** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **51.8411, 0.2696, 0.3384**, and the grayscale version is **33.3263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6407, 0.3624, 0.3219**, and **13.3164, 0.4056, 0.3152** is the 20% darker color. If you saturate the color by 10%, you get **26.3407, 0.4140, 0.3175**, and if you desaturate by 10%, it is **38.7864, 0.3559, 0.3229**.

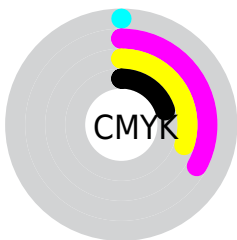
Distribution



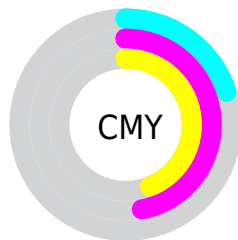
- Red (80%)
- Green (53%)
- Blue (56%)



- Red (80%)
- Yellow (53%)
- Blue (56%)



- Cyan (0%)
- Magenta (33%)
- Yellow (30%)
- Black (20%)



- Cyan (20%)
- Magenta (47%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9774, 0.3821, 0.3201 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 31.9774, 0.3821, 0.3201 by changing the saturation by 10% instead.


 31.9774, 0.3821,
0.3201


 31.9774, 0.3821,
0.3201


311.0163, 0.3450,
0.3255

 21.3442, 0.3922,
0.3184


 62.7757, 0.3680,
0.3223

 13.3759, 0.4058,
0.3160


 83.7095, 0.3629,
0.3231

 7.6879, 0.4248,
0.3123


 108.8458, 0.3586,
0.3237

 3.8959, 0.4533,
0.3062

138.5688, 0.3550,
0.3242

 1.6155, 0.5002,
0.2945

173.2630, 0.3520,
0.3246

 0.3680, 0.7348,
0.2652

213.3127, 0.3493,

 0.0000, 0.0000,

0.3249

0.0000

259.1023, 0.3470,
0.3252

■ 31.9774, 0.3821,
0.3201

■ 31.9774, 0.3821,
0.3201

■ 26.3407, 0.4140,
0.3175

■ 38.7864, 0.3559,
0.3229

■ 21.8057, 0.4519,
0.3154

■ 46.8237, 0.3348,
0.3256

■ 18.3016, 0.4949,
0.3143


■ 56.1475, 0.3178,
0.3281


■ 15.7472, 0.5399,
0.3148

■ 66.8107, 0.3042,
0.3305


■ 14.0494, 0.5818,
0.3171

■ 78.8633, 0.2931,
0.3327

 13.0959, 0.6143,
0.3213

 91.1964, 0.2841,
0.3328

 12.7476, 0.6290,
0.3238

 91.4340, 0.2821,
0.3289

Harmonies

Analogous

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



31.9774, 0.3438, 0.2883



31.9774, 0.3821, 0.3201



31.9774, 0.4005, 0.3557

Triad

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



31.9774, 0.3821, 0.3201



31.9774, 0.3217, 0.4038



31.9774, 0.2370, 0.2664

Complementary

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



31.9774, 0.3821, 0.3201



51.8411, 0.2696, 0.3384

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.



31.9774, 0.2322, 0.2924



31.9774, 0.3821, 0.3201



31.9774, 0.2791, 0.3753

Square

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



31.9774, 0.3821, 0.3201



31.9774, 0.3637, 0.4071



31.9774, 0.2470, 0.3325



31.9774, 0.2604, 0.2578

Rectangle

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



31.9774, 0.3821, 0.3201



31.9774, 0.3984, 0.3780



31.9774, 0.2470, 0.3325



31.9774, 0.2333, 0.2732

Sweetspot

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



31.9789, 0.3821, 0.3201



83.4087, 0.3287, 0.3265



33.2521, 0.3088, 0.2447



17.3928, 0.3312, 0.3261



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.



31.9789, 0.3821, 0.3201



46.7039, 0.4040, 0.3182



39.9575, 0.3791, 0.3628



11.2321, 0.3274, 0.3267



8.1205, 0.6269, 0.3227



0.4254, 0.5901, 0.3024

Inverse Universe

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



31.9789, 0.3821, 0.3201



46.7039, 0.4040, 0.3182



40.8789, 0.2609, 0.2924



11.2321, 0.3274, 0.3267



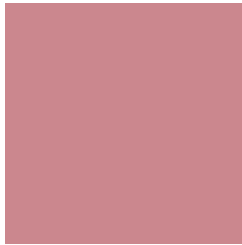
8.1205, 0.6269, 0.3227



0.4254, 0.5901, 0.3024

Previews

White Background



This preview shows how the Yxy color 31.9774, 0.3821, 0.3201 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 31.9774, 0.3821, 0.3201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

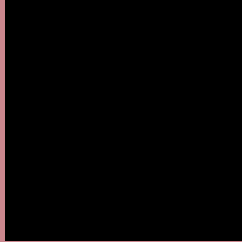
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9774, 0.3821, 0.3201

Background



This preview shows how black text looks on a background with the Yxy color 31.9774, 0.3821, 0.3201.



This preview shows how white text looks on a background with the Yxy color 31.9774, 0.3821, 0.3201.

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

31.9774, 0.3821, 0.3201

Protanopia

32.2176, 0.3177, 0.3305

Deuteranopia

32.0719, 0.3483, 0.3407



Tritanopia

32.0688, 0.3786, 0.3162

Trichromacy



Original Color

31.9774, 0.3821, 0.3201

Protanomaly

31.6946, 0.3404, 0.3262

Deuteranomaly

31.8823, 0.3606, 0.3319

Tritanomaly

32.0381, 0.3798, 0.3175

Monochromacy



Original Color

31.9774, 0.3821, 0.3201

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 31.9774, 0.3821, 0.3201 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(203, 135, 142)` looks like.

```
.text, #text, p{  
    color:rgb(203, 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(203, 135, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 135, 142) }
```

Border

The CSS property to change the border of an element to Yxy 31.9774, 0.3821, 0.3201 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(203, 135, 142) }
```

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

```
.border{ border-color:rgb(203, 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(203, 135, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 135, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 135, 142);  
box-shadow:4px 4px 4px 4px rgb(203, 135,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9774, 0.3821, 0.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 135, 142) }
```

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

```
.background{ background-color: rgb(203,  
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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