

Converting Colors

$Yxy(46.9986, 0.3198, 0.3093)$

Have a look what the booklet for
Yxy(46.9986, 0.3198, 0.3093)
contains.

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Color

Yxy(46.9986, 0.3198, 0.3093)

Conversions

Conversions Part 1

Format	Color
Hex	C7B0C0
RGB	199, 176, 192
RGB Percent	78%, 69%, 75%
CMY	0.2195, 0.3098, 0.2472
CMYK	0.00, 0.12, 0.04, 0.22
HSL	318°, 17%, 74%
HSV	318°, 12%, 78%
XYZ	48.5941, 46.9986, 56.3588
YIQ	184.7010, 8.5720, 9.8520

Conversions

Conversions Part 2

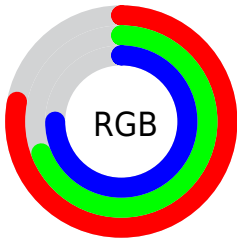
Format	Color
R _Y B	199, 176, 192
Decimal	13086912
CIE Lab	74.19, 11.06, -5.08
CIE LCh	74, 12.175, 335.319
Yxy	46.9986, 0.3198, 0.3093
Android (android.graphics.Color)	4291276992 (0xFFC7B0C0)
YUV	184.7010, 3.5984, 12.5402
Hunter-Lab	68.5555, 6.5537, -0.7528

Details

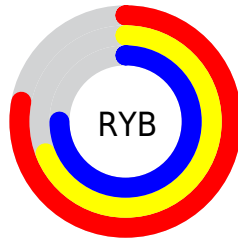
The Yxy color `46.9986, 0.3198, 0.3093` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `53.5090, 0.3063, 0.3495`, and the grayscale version is `48.3185, 0.3127, 0.3290`.

A 20% lighter version of the original color is `85.7505, 0.3182, 0.3135`, and `22.0497, 0.3212, 0.3024` is the 20% darker color. If you saturate the color by 10%, you get `39.4948, 0.3271, 0.2915`, and if you desaturate by 10%, it is `55.6619, 0.3136, 0.3264`.

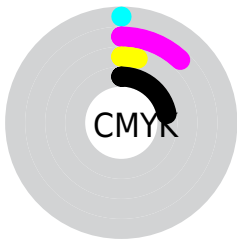
Distribution



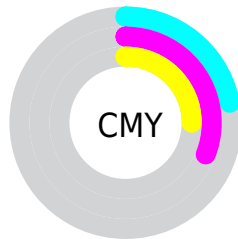
- Red (78%)
- Green (69%)
- Blue (75%)



- Red (78%)
- Yellow (69%)
- Blue (75%)



- Cyan (0%)
- Magenta (12%)
- Yellow (4%)
- Black (22%)





- Cyan (22%)
- Magenta (31%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9986, 0.3198, 0.3093 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 46.9986, 0.3198, 0.3093 by changing the saturation by 10% instead.


 46.9986, 0.3198,
0.3093

 46.9986, 0.3198,
0.3093

374.8089, 0.3163,
0.3190

 33.0345, 0.3206,
0.3069


 85.7115, 0.3186,
0.3128

 22.1529, 0.3217,
0.3039


111.2292, 0.3181,
0.3141

 13.9693, 0.3231,
0.2999


141.3669, 0.3177,
0.3152

 8.0993, 0.3250,
0.2945

176.5089, 0.3173,
0.3162

 4.1586, 0.3278,
0.2865

217.0398, 0.3170,
0.3170

 1.7627, 0.3322,
0.2737

263.3438, 0.3168,

 0.4637, 0.3493,

0.3178

0.2279

315.8054, 0.3165,
0.3184

0.0000, 0.0000,
0.0000

46.9986, 0.3198,
0.3093

46.9986, 0.3198,
0.3093

39.4948, 0.3271,
0.2915

55.6619, 0.3136,
0.3264

33.0946, 0.3356,
0.2735

65.5253, 0.3084,
0.3426

27.7468, 0.3453,
0.2559

76.6348, 0.3040,
0.3576

23.3935, 0.3562,
0.2394

88.6423, 0.3003,
0.3710

19.9713, 0.3682,
0.2252

88.9645, 0.2970,
0.3641

■ 17.4095, 0.3809,
0.2143

■ 89.2986, 0.2937,
0.3574

■ 15.6270, 0.3940,
0.2076

■ 89.6446, 0.2905,
0.3507

■ 14.5273, 0.4069,
0.2058

■ 90.0027, 0.2873,
0.3440

■ 13.9805, 0.4177,
0.2075

■ 90.3731, 0.2841,
0.3375

Harmonies

Analogous

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



46.9986, 0.3027, 0.3017



46.9986, 0.3198, 0.3093



46.9986, 0.3354, 0.3218

Triad

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



46.9986, 0.3198, 0.3093



46.9986, 0.3370, 0.3577



46.9986, 0.2816, 0.3202

Complementary

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



46.9986, 0.3198, 0.3093



53.5090, 0.3063, 0.3495

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.



46.9986, 0.2903, 0.3359



46.9986, 0.3198, 0.3093



46.9986, 0.3222, 0.3580

Square

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



46.9986, 0.3198, 0.3093



46.9986, 0.3454, 0.3495



46.9986, 0.3051, 0.3500



46.9986, 0.2810, 0.3075

Rectangle

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



46.9986, 0.3198, 0.3093



46.9986, 0.3426, 0.3315



46.9986, 0.3051, 0.3500



46.9986, 0.2837, 0.3253

Sweetspot

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



47.0006, 0.3198, 0.3093



95.0657, 0.3144, 0.3239



45.2317, 0.3004, 0.2996



20.0727, 0.3149, 0.3226



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.



47.0006, 0.3198, 0.3093



78.6148, 0.3216, 0.3047



46.5164, 0.3293, 0.3233



10.7591, 0.3184, 0.3131



9.0037, 0.4160, 0.2065



0.4388, 0.3916, 0.1931

Inverse Universe

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



47.0006, 0.3198, 0.3093



78.6148, 0.3216, 0.3047



54.0015, 0.2983, 0.3348



10.7591, 0.3184, 0.3131



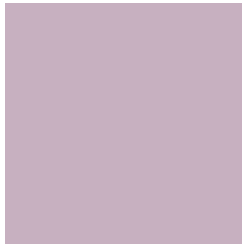
9.0037, 0.4160, 0.2065



0.4388, 0.3916, 0.1931

Previews

White Background



This preview shows how the Yxy color 46.9986, 0.3198, 0.3093 looks on a white background.

Color Contrast Check

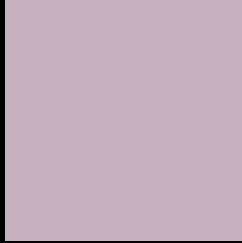
Large Text (above 18pt) WCAG AA × Fail

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 46.9986, 0.3198, 0.3093 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 46.9986, 0.3198, 0.3093

Background



This preview shows how black text looks on a background with the Yxy color 46.9986, 0.3198, 0.3093.



This preview shows how white text looks on a background with the Yxy color 46.9986, 0.3198, 0.3093.

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

46.9986, 0.3198, 0.3093

Protanopia

46.9330, 0.3027, 0.3111

Deuteranopia

46.9858, 0.3171, 0.3104



Tritanopia

46.9105, 0.3214, 0.3117

Trichromacy



Original Color

46.9986, 0.3198, 0.3093

Protanomaly

46.8266, 0.3085, 0.3100

Deuteranomaly

47.1204, 0.3179, 0.3104

Tritanomaly

46.9544, 0.3206, 0.3105

Monochromacy



Original Color

46.9986, 0.3198, 0.3093

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.0339, 0.3148, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9986, 0.3198, 0.3093 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, 176, 192)` looks like.

```
.text, #text, p{  
    color:rgb(199, 176, 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(199, 176, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 176, 192) }
```

Border

The CSS property to change the border of an element to Yxy 46.9986, 0.3198, 0.3093 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, 176, 192) }
```

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

```
.border{ border-color:rgb(199, 176, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 176, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 176, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 176, 192); box-shadow:4px 4px 4px 4px rgb(199, 176, 192) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9986, 0.3198, 0.3093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 176, 192) }
```

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

```
.background{ background-color: rgb(199,  
176, 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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