

Converting Colors

$Yxy(46.7039, 0.3144, 0.3000)$

Have a look what the booklet for
Yxy(46.7039, 0.3144, 0.3000)
contains.

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Color

Yxy(46.8793, 0.3149, 0.3008)

Conversions

Conversions Part 1

Format	Color
Hex	C7AFC6
RGB	199, 175, 198
RGB Percent	78%, 69%, 78%
CMY	0.2196, 0.3137, 0.2235
CMYK	0.00, 0.12, 0.00, 0.22
HSL	302°, 18%, 73%
HSV	302°, 12%, 78%
XYZ	49.0768, 46.8793, 59.8927
YIQ	184.7980, 6.9210, 12.2410

Conversions

Conversions Part 2

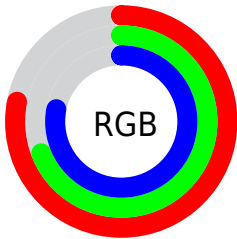
Format	Color
R_{YB}	199, 175, 198
Decimal	13086662
CIE _{Lab}	74.11, 12.71, -8.50
CIE _{LCh}	74, 15.294, 326.217
Yxy	46.8793, 0.3149, 0.3008
Android (android.graphics.Color)	4291276742 (0xFFC7AFC6)
YUV	184.7980, 6.5086, 12.4552
Hunter-Lab	68.4685, 8.1253, -3.9359

Details

The Yxy color $46.8793, 0.3149, 0.3008$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $53.0959, 0.3105, 0.3589$, and the grayscale version is $48.3592, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.6318, 0.3138, 0.3058$, and $21.9524, 0.3156, 0.2927$ is the 20% darker color. If you saturate the color by 10%, you get $39.6593, 0.3169, 0.2769$, and if you desaturate by 10%, it is $55.2451, 0.3131, 0.3243$.

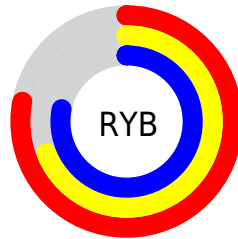
Distribution



Red (78%)

Green (69%)

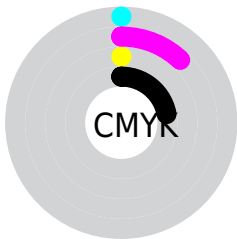
Blue (78%)



Red (78%)

Yellow (69%)

Blue (78%)

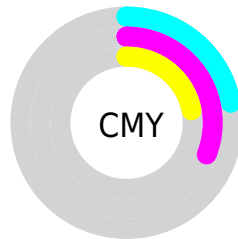


Cyan (0%)

Magenta (12%)

Yellow (0%)

Black (22%)



Cyan (22%)

Magenta (31%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8793, 0.3149, 0.3008 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 46.8793, 0.3149, 0.3008 by changing the saturation by 10% instead.


 46.8793, 0.3149,
0.3008

 46.8793, 0.3149,
0.3008


374.3325, 0.3139,
0.3146

 32.9402, 0.3151,
0.2974


 85.5334, 0.3146,
0.3057

 22.0807, 0.3153,
0.2932


111.0173, 0.3145,
0.3076

 13.9162, 0.3156,
0.2876


141.1182, 0.3143,
0.3092

 8.0624, 0.3159,
0.2800

176.2206, 0.3142,
0.3106

 4.1349, 0.3163,
0.2690

216.7088, 0.3142,
0.3118

 1.7493, 0.3165,
0.2516

262.9673, 0.3141,

 0.4553, 0.3239,

0.3128

0.1985

315.3804, 0.3140,
0.3138

0.0000, 0.0000,
0.0000

46.8793, 0.3149,
0.3008

46.8793, 0.3149,
0.3008

39.6593, 0.3169,
0.2769

55.2451, 0.3131,
0.3243

33.5292, 0.3190,
0.2531

64.7973, 0.3114,
0.3468

28.4377, 0.3211,
0.2304

75.5820, 0.3099,
0.3680

24.3270, 0.3233,
0.2097

87.6411, 0.3086,
0.3876

21.1333, 0.3253,
0.1919

87.9322, 0.3081,
0.3871

■ 18.7858, 0.3273,
0.1778

■ 87.9713, 0.3077,
0.3862

■ 17.2030, 0.3290,
0.1679

■ 88.0106, 0.3072,
0.3852

■ 16.2875, 0.3305,
0.1622

■ 88.0501, 0.3068,
0.3843

■ 15.8939, 0.3316,
0.1600

■ 88.0898, 0.3063,
0.3834

Harmonies

Analogous

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



46.8793, 0.2940, 0.2937



46.8793, 0.3149, 0.3008



46.8793, 0.3358, 0.3147

Triad

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



46.8793, 0.3149, 0.3008



46.8793, 0.3475, 0.3628



46.8793, 0.2761, 0.3236

Complementary

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



46.8793, 0.3149, 0.3008



53.0959, 0.3105, 0.3589

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.



46.8793, 0.2896, 0.3436



46.8793, 0.3149, 0.3008



46.8793, 0.3307, 0.3667

Square

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



46.8793, 0.3149, 0.3008



46.8793, 0.3550, 0.3500



46.8793, 0.3094, 0.3597



46.8793, 0.2722, 0.3060

Rectangle

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



46.8793, 0.3149, 0.3008



46.8793, 0.3468, 0.3264



46.8793, 0.3094, 0.3597



46.8793, 0.2796, 0.3303

Sweetspot

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



46.8813, 0.3149, 0.3008



93.6367, 0.3134, 0.3196



43.9923, 0.2945, 0.2978



19.7941, 0.3136, 0.3179



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.



46.8813, 0.3149, 0.3008



79.2050, 0.3153, 0.2957



46.3575, 0.3247, 0.3151



10.8088, 0.3144, 0.3072



10.2234, 0.3314, 0.1599



0.4865, 0.3291, 0.1586

Inverse Universe

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



46.8813, 0.3149, 0.3008



79.2050, 0.3153, 0.2957



53.5838, 0.3022, 0.3433



10.8088, 0.3144, 0.3072



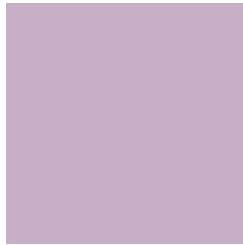
10.2234, 0.3314, 0.1599



0.4865, 0.3291, 0.1586

Previews

White Background



This preview shows how the Yxy color 46.8793, 0.3149, 0.3008 looks on a white background.

Color Contrast Check

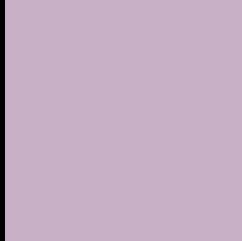
Large Text (above 18pt) WCAG AA × Fail

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 46.8793, 0.3149, 0.3008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

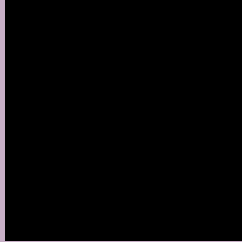
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8793, 0.3149, 0.3008

Background



This preview shows how black text looks on a background with the Yxy color 46.8793, 0.3149, 0.3008.



This preview shows how white text looks on a background with the Yxy color 46.8793, 0.3149, 0.3008.

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

46.8793, 0.3149, 0.3008

Protanopia

47.0153, 0.2958, 0.3023

Deuteranopia

46.8590, 0.3097, 0.3029



Tritanopia

46.7741, 0.3205, 0.3116

Trichromacy



Original Color

46.8793, 0.3149, 0.3008

Protanomaly

47.0220, 0.3022, 0.3014

Deuteranomaly

46.7300, 0.3114, 0.3018

Tritanomaly

46.9067, 0.3181, 0.3080

Monochromacy



Original Color

46.8793, 0.3149, 0.3008

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.7126, 0.3132, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8793, 0.3149, 0.3008 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, 175, 198)` looks like.

```
.text, #text, p{  
    color:rgb(199, 175, 198)  
}
```

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, 175, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 175, 198) }
```

Border

The CSS property to change the border of an element to Yxy 46.8793, 0.3149, 0.3008 is called "border". The border property can be set on classes, ids or directly on the HTML element.

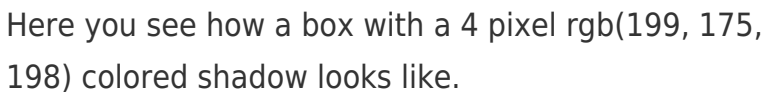
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 175, 198) }
```

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

```
.border{ border-color:rgb(199, 175, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(199, 175, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 175, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 175, 198); box-shadow:4px 4px 4px 4px rgb(199, 175, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8793, 0.3149, 0.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 175, 198) }
```

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

```
.background{ background-color: rgb(199,  
175, 198) }
```

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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