

Converting Colors

$Y_{xy}(49.7680, 0.3010, 0.2794)$

Have a look what the booklet for
Yxy(49.7680, 0.3010, 0.2794)
contains.

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Color

Yxy(49.7046, 0.3010, 0.2798)

Conversions

Conversions Part 1

Format	Color
Hex	CBB2DC
RGB	203, 178, 220
RGB Percent	80%, 70%, 86%
CMY	0.2038, 0.3020, 0.1374
CMYK	0.08, 0.19, 0.00, 0.14
HSL	276°, 37%, 78%
HSV	276°, 19%, 86%
XYZ	53.4706, 49.7046, 74.4681
YIQ	190.2630, 1.4180, 18.3620

Conversions

Conversions Part 2

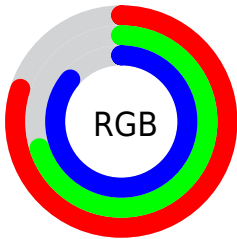
Format	Color
R _Y B	203, 178, 220
Decimal	13349596
CIE Lab	75.89, 16.69, -17.78
CIE LCh	76, 24.390, 313.184
Yxy	49.7046, 0.3010, 0.2798
Android (android.graphics.Color)	4291539676 (0xFFCBB2DC)
YUV	190.2630, 14.6603, 11.1703
Hunter-Lab	70.5015, 12.0026, -13.2748

Details

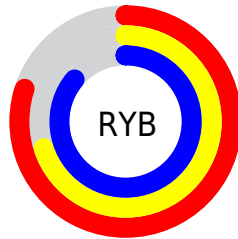
The Yxy color $49.7046, 0.3010, 0.2798$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $65.9820, 0.3225, 0.3792$, and the grayscale version is $51.5677, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.3256, 0.3137, 0.3088$, and $23.7734, 0.2977, 0.2669$ is the 20% darker color. If you saturate the color by 10%, you get $40.4325, 0.2933, 0.2519$, and if you desaturate by 10%, it is $60.4560, 0.3076, 0.3064$.

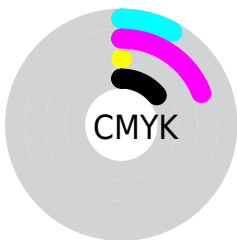
Distribution



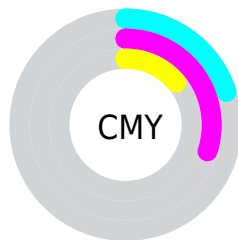
- Red (80%)
- Green (70%)
- Blue (86%)



- Red (80%)
- Yellow (70%)
- Blue (86%)



- Cyan (8%)
- Magenta (19%)
- Yellow (0%)
- Black (14%)





- Cyan (20%)
- Magenta (30%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7046, 0.3010, 0.2798 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 49.7046, 0.3010, 0.2798 by changing the saturation by 10% instead.

 49.7046, 0.3010,
0.2798

 49.7046, 0.3010,
0.2798


385.5096, 0.3071,
0.3033

 35.1787, 0.2994,
0.2743


 89.7370, 0.3032,
0.2881

 23.8006, 0.2974,
0.2673


116.0124, 0.3041,
0.2913

 15.1858, 0.2947,
0.2584

146.9731, 0.3048,
0.2940

 8.9499, 0.2909,
0.2466

183.0034, 0.3054,
0.2963

 4.7085, 0.2851,
0.2301

224.4879, 0.3059,
0.2984

 2.0773, 0.2756,
0.2056

271.8108, 0.3063,

 0.6518, 0.2588,

0.3002

0.1621

325.3566, 0.3067,
0.3018

0.0000, 0.0000,
0.0000

49.7046, 0.3010,
0.2798

49.7046, 0.3010,
0.2798

40.4325, 0.2933,
0.2519

60.4560, 0.3076,
0.3064

32.5652, 0.2846,
0.2232

72.7436, 0.3132,
0.3312

26.0316, 0.2749,
0.1950

86.6295, 0.3179,
0.3540

20.7514, 0.2644,
0.1682

94.9580, 0.3227,
0.3643

16.6354, 0.2535,
0.1444

96.5377, 0.3284,
0.3637

■ 13.5821, 0.2426,
0.1247

■ 97.9460, 0.3334,
0.3631

■ 11.4721, 0.2321,
0.1100

■ 10.1154, 0.2222,
0.1001

■ 10.0063, 0.2214,
0.0993

Harmonies

Analogous

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



49.7046, 0.2718, 0.2742



49.7046, 0.3010, 0.2798



49.7046, 0.3350, 0.2968

Triad

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



49.7046, 0.3010, 0.2798



49.7046, 0.3744, 0.3735



49.7046, 0.2634, 0.3337

Complementary

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



49.7046, 0.3010, 0.2798



65.9820, 0.3225, 0.3792

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.



49.7046, 0.2889, 0.3647



49.7046, 0.3010, 0.2798



49.7046, 0.3531, 0.3876

Square

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



49.7046, 0.3010, 0.2798



49.7046, 0.3786, 0.3492



49.7046, 0.3216, 0.3850



49.7046, 0.2510, 0.3032

Rectangle

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



49.7046, 0.3010, 0.2798



49.7046, 0.3555, 0.3127



49.7046, 0.3216, 0.3850



49.7046, 0.2707, 0.3445

Sweetspot

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



49.7067, 0.3010, 0.2798



89.4712, 0.3094, 0.3141



53.8800, 0.2825, 0.2990



18.9156, 0.3090, 0.3125



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.



49.7067, 0.3010, 0.2798



63.9014, 0.2980, 0.2685



52.0341, 0.3177, 0.2856



12.9991, 0.3074, 0.3055



5.9406, 0.2228, 0.1001



0.4346, 0.2385, 0.1088

Inverse Universe

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



50.9890, 0.3354, 0.3094



66.0665, 0.3415, 0.3050



63.9947, 0.3080, 0.3766



13.1382, 0.3229, 0.3196



9.3720, 0.5352, 0.2722



0.6239, 0.4923, 0.2486

Previews

White Background



This preview shows how the Yxy color 49.7046, 0.3010, 0.2798 looks on a white background.

Color Contrast Check

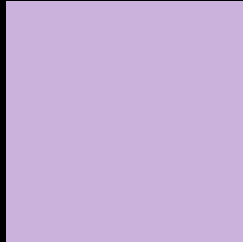
Large Text (above 18pt) WCAG AA × Fail

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 49.7046, 0.3010, 0.2798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

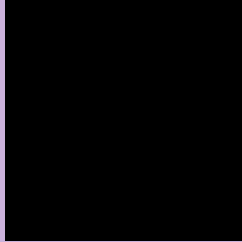
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7046, 0.3010, 0.2798

Background



This preview shows how black text looks on a background with the Yxy color 49.7046, 0.3010, 0.2798.



This preview shows how white text looks on a background with the Yxy color 49.7046, 0.3010, 0.2798.

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

49.7046, 0.3010, 0.2798

Protanopia

49.7179, 0.2791, 0.2802

Deuteranopia

49.9286, 0.2914, 0.2855



Tritanopia

49.5835, 0.3161, 0.3119

Trichromacy



Original Color

49.7046, 0.3010, 0.2798

Protanomaly

49.4750, 0.2870, 0.2796

Deuteranomaly

49.7643, 0.2953, 0.2836

Tritanomaly

49.7349, 0.3099, 0.3001

Monochromacy



Original Color

49.7046, 0.3010, 0.2798

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.9370, 0.3086, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7046, 0.3010, 0.2798 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, 178, 220)` looks like.

```
.text, #text, p{  
    color:rgb(203, 178, 220)  
}
```

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, 178, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 178, 220) }
```

Border

The CSS property to change the border of an element to Yxy 49.7046, 0.3010, 0.2798 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, 178, 220) }
```

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

```
.border{ border-color:rgb(203, 178, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 178, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 178, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 178, 220);  
box-shadow:4px 4px 4px 4px rgb(203, 178,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7046, 0.3010, 0.2798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 178, 220) }
```

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

```
.background{ background-color: rgb(203,  
178, 220) }
```

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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