

Converting Colors

Yxy(50.0181, 0.2995, 0.2799)

Have a look what the booklet for
Yxy(50.0181, 0.2995, 0.2799)
contains.

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Color

Yxy(50.0172, 0.2994, 0.2798)

Conversions

Conversions Part 1

Format	Color
Hex	CAB3DD
RGB	202, 179, 221
RGB Percent	79%, 70%, 87%
CMY	0.2079, 0.2980, 0.1334
CMYK	0.09, 0.19, 0.00, 0.13
HSL	273°, 38%, 78%
HSV	273°, 19%, 87%
XYZ	53.5209, 50.0172, 75.2224
YIQ	190.6650, 0.2260, 17.9380

Conversions

Conversions Part 2

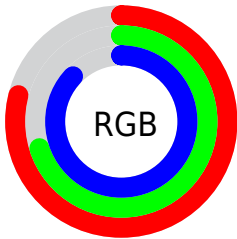
Format	Color
R _Y B	202, 179, 221
Decimal	13284317
CIE Lab	76.08, 15.99, -18.05
CIE LCh	76, 24.112, 311.546
Yxy	50.0172, 0.2994, 0.2798
Android (android.graphics.Color)	4291474397 (0xFFCAB3DD)
YUV	190.6650, 14.9552, 9.9408
Hunter-Lab	70.7228, 11.3184, -13.5562

Details

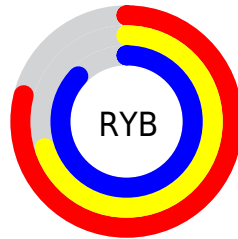
The Yxy color $50.0172, 0.2994, 0.2798$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $66.9632, 0.3240, 0.3787$, and the grayscale version is $51.8075, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.8967, 0.3136, 0.3097$, and $23.9708, 0.2956, 0.2668$ is the 20% darker color. If you saturate the color by 10%, you get $40.5085, 0.2907, 0.2515$, and if you desaturate by 10%, it is $61.0400, 0.3069, 0.3066$.

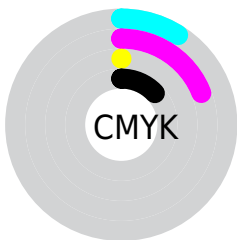
Distribution



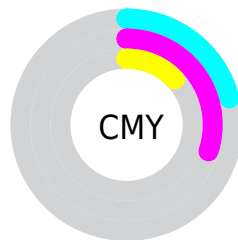
- Red (79%)
- Green (70%)
- Blue (87%)



- Red (79%)
- Yellow (70%)
- Blue (87%)



- Cyan (9%)
- Magenta (19%)
- Yellow (0%)
- Black (13%)



- Cyan (21%)
- Magenta (30%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0172, 0.2994, 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 50.0172, 0.2994, 0.2798 by changing the saturation by 10% instead.

■ 50.0172, 0.2994,
0.2798

■ 50.0172, 0.2994,
0.2798

386.7332, 0.3062,
0.3033

■ 35.4271, 0.2977,
0.2743

■ 90.2004, 0.3019,
0.2881

■ 23.9920, 0.2954,
0.2674

116.5622, 0.3028,
0.2913

■ 15.3277, 0.2924,
0.2585

147.6167, 0.3036,
0.2940

■ 9.0497, 0.2882,
0.2466

183.7482, 0.3043,
0.2963

■ 4.7736, 0.2819,
0.2302

225.3413, 0.3049,
0.2984

■ 2.1151, 0.2716,
0.2058

272.7802, 0.3054,

■ 0.6731, 0.2534,

0.3002

0.1633

326.4494, 0.3058,
0.3018

■ 0.0000, 0.0000,
0.0000

■ 50.0172, 0.2994,
0.2798

■ 50.0172, 0.2994,
0.2798

■ 40.5085, 0.2907,
0.2515

■ 61.0400, 0.3069,
0.3066

■ 32.4384, 0.2808,
0.2223

■ 73.6352, 0.3133,
0.3314

■ 25.7343, 0.2699,
0.1933

■ 87.8656, 0.3187,
0.3541

■ 20.3145, 0.2581,
0.1657

■ 95.6160, 0.3243,
0.3630

■ 16.0885, 0.2460,
0.1409

■ 97.4352, 0.3308,
0.3624

■ 12.9532, 0.2339,
0.1203

■ 97.9992, 0.3328,
0.3621

■ 10.7872, 0.2223,
0.1048

■ 9.4008, 0.2118,
0.0944

■ 9.2788, 0.2107,
0.0935

Harmonies

Analogous

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



50.0172, 0.2710, 0.2750



50.0172, 0.2994, 0.2798



50.0172, 0.3329, 0.2960

Triad

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



50.0172, 0.2994, 0.2798



50.0172, 0.3742, 0.3719



50.0172, 0.2652, 0.3354

Complementary

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



50.0172, 0.2994, 0.2798



66.9632, 0.3240, 0.3787

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.



50.0172, 0.2909, 0.3657



50.0172, 0.2994, 0.2798



50.0172, 0.3541, 0.3864

Square

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



50.0172, 0.2994, 0.2798



50.0172, 0.3774, 0.3475



50.0172, 0.3233, 0.3849



50.0172, 0.2521, 0.3050

Rectangle

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



50.0172, 0.2994, 0.2798



50.0172, 0.3534, 0.3115



50.0172, 0.3233, 0.3849



50.0172, 0.2725, 0.3460

Sweetspot

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



50.0193, 0.2994, 0.2798



89.3334, 0.3089, 0.3141



55.4666, 0.2828, 0.3018



18.8830, 0.3085, 0.3124



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.



50.0193, 0.2994, 0.2798



63.4249, 0.2959, 0.2681



52.7599, 0.3160, 0.2836



12.9665, 0.3066, 0.3054



5.4597, 0.2123, 0.0943



0.4046, 0.2292, 0.1036

Inverse Universe

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



51.6929, 0.3336, 0.3072



66.2205, 0.3393, 0.3021



64.5980, 0.3094, 0.3791



13.1491, 0.3221, 0.3185



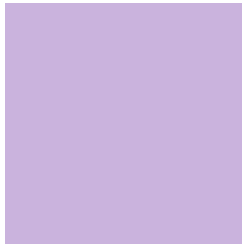
9.4873, 0.5149, 0.2610



0.6319, 0.4752, 0.2391

Previews

White Background



This preview shows how the Yxy color 50.0172, 0.2994, 0.2798 looks on a white background.

Color Contrast Check

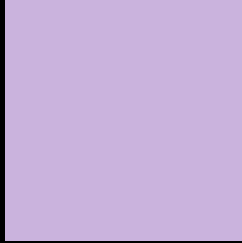
Large Text (above 18pt) WCAG AA × Fail

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 50.0172, 0.2994, 0.2798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

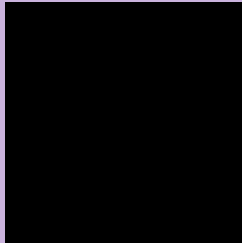
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.0172, 0.2994, 0.2798

Background



This preview shows how black text looks on a background with the Yxy color 50.0172, 0.2994, 0.2798.



This preview shows how white text looks on a background with the Yxy color 50.0172, 0.2994, 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

50.0172, 0.2994, 0.2798

Protanopia

50.1925, 0.2785, 0.2803

Deuteranopia

49.9814, 0.2907, 0.2844



Tritanopia

49.9500, 0.3136, 0.3107

Trichromacy



Original Color

50.0172, 0.2994, 0.2798

Protanomaly

49.8136, 0.2856, 0.2796

Deuteranomaly

50.0925, 0.2938, 0.2836

Tritanomaly

50.0542, 0.3082, 0.3000

Monochromacy



Original Color

50.0172, 0.2994, 0.2798

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.4070, 0.3079, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0172, 0.2994, 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(202, 179, 221)` looks like.

```
.text, #text, p{  
    color:rgb(202, 179, 221)  
}
```

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, 179, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 179, 221) }
```

Border

The CSS property to change the border of an element to Yxy 50.0172, 0.2994, 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(202, 179, 221) }
```

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

```
.border{ border-color:rgb(202, 179, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 179, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 179, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 179, 221);  
box-shadow:4px 4px 4px 4px rgb(202, 179,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0172, 0.2994, 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(202, 179, 221) }
```

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

```
.background{ background-color: rgb(202,  
179, 221) }
```

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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