

Converting Colors

$Y_{xy}(44.9723, 0.2996, 0.2778)$

Have a look what the booklet for
Yxy(44.9723, 0.2996, 0.2778)
contains.

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Color

Yxy(44.9723, 0.2996, 0.2778)

Conversions

Conversions Part 1

Format	Color
Hex	C2AAD4
RGB	194, 170, 212
RGB Percent	76%, 67%, 83%
CMY	0.2393, 0.3333, 0.1686
CMYK	0.09, 0.20, 0.00, 0.17
HSL	274°, 33%, 75%
HSV	274°, 20%, 83%
XYZ	48.5014, 44.9723, 68.4136
YIQ	181.9640, 0.8220, 18.1500

Conversions

Conversions Part 2

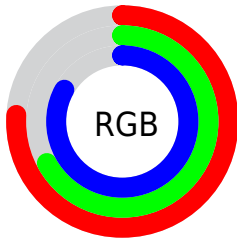
Format	Color
RYB	194, 170, 212
Decimal	12757716
CIELab	72.87, 16.48, -18.07
CIELCh	73, 24.455, 312.362
Yxy	44.9723, 0.2996, 0.2778
Android (android.graphics.Color)	4290947796 (0xFFC2AAD4)
YUV	181.9640, 14.8077, 10.5556
Hunter-Lab	67.0614, 11.7408, -13.5425

Details

The Yxy color $44.9723, 0.2996, 0.2778$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $60.6889, 0.3237, 0.3810$, and the grayscale version is $46.6758, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.5797, 0.3114, 0.2997$, and $20.9666, 0.2957, 0.2652$ is the 20% darker color. If you saturate the color by 10%, you get $36.4877, 0.2913, 0.2497$, and if you desaturate by 10%, it is $54.8162, 0.3067, 0.3046$.

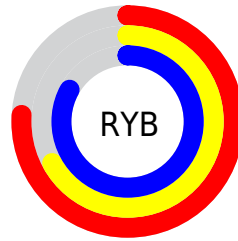
Distribution



Red (76%)

Green (67%)

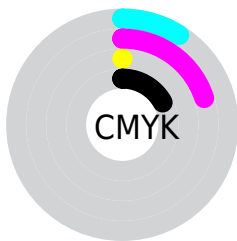
Blue (83%)



Red (76%)

Yellow (67%)

Blue (83%)

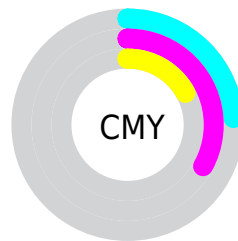


Cyan (9%)

Magenta (20%)

Yellow (0%)

Black (17%)



Cyan (24%)

Magenta (33%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9723, 0.2996, 0.2778 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 44.9723, 0.2996, 0.2778 by changing the saturation by 10% instead.

■ 44.9723, 0.2996,
0.2778

■ 44.9723, 0.2996,
0.2778

366.6614, 0.3065,
0.3026

■ 31.4356, 0.2978,
0.2718

■ 82.6788, 0.3022,
0.2866

■ 20.9308, 0.2954,
0.2643

107.6175, 0.3031,
0.2900

■ 13.0734, 0.2922,
0.2546

137.1256, 0.3039,
0.2929

■ 7.4791, 0.2877,
0.2415

171.5875, 0.3046,
0.2954

■ 3.7635, 0.2806,
0.2228

211.3876, 0.3051,
0.2975

■ 1.5422, 0.2687,
0.1947

256.9104, 0.3057,

■ 0.3181, 0.2528,

0.2994

0.1141

308.5402, 0.3061,
0.3011

0.0000, 0.0000,
0.0000

44.9723, 0.2996,
0.2778

44.9723, 0.2996,
0.2778

36.4877, 0.2913,
0.2497

54.8162, 0.3067,
0.3046

29.2942, 0.2819,
0.2208

66.0722, 0.3128,
0.3295

23.3258, 0.2715,
0.1923

78.7973, 0.3179,
0.3523

18.5086, 0.2604,
0.1653

93.0433, 0.3221,
0.3731

14.7603, 0.2488,
0.1412

94.7100, 0.3280,
0.3724

■ 11.9871, 0.2373,
0.1213

■ 96.3390, 0.3339,
0.3716

■ 10.0782, 0.2263,
0.1065

■ 97.5337, 0.3382,
0.3711

■ 8.8380, 0.2161,
0.0965

■ 8.8163, 0.2159,
0.0963

Harmonies

Analogous

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



44.9723, 0.2696, 0.2724



44.9723, 0.2996, 0.2778



44.9723, 0.3348, 0.2950

Triad

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



44.9723, 0.2996, 0.2778



44.9723, 0.3770, 0.3745



44.9723, 0.2622, 0.3347

Complementary

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



44.9723, 0.2996, 0.2778



60.6889, 0.3237, 0.3810

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.



44.9723, 0.2889, 0.3669



44.9723, 0.2996, 0.2778



44.9723, 0.3553, 0.3896

Square

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



44.9723, 0.2996, 0.2778



44.9723, 0.3809, 0.3490



44.9723, 0.3228, 0.3876



44.9723, 0.2490, 0.3029

Rectangle

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



44.9723, 0.2996, 0.2778



44.9723, 0.3563, 0.3114



44.9723, 0.3228, 0.3876



44.9723, 0.2698, 0.3460

Sweetspot

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



44.9742, 0.2996, 0.2778



89.3988, 0.3091, 0.3141



49.3574, 0.2814, 0.2987



18.8984, 0.3087, 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.



44.9742, 0.2996, 0.2778



62.3267, 0.2961, 0.2654



47.3660, 0.3173, 0.2832



12.3549, 0.3070, 0.3055



5.5027, 0.2173, 0.0971



0.3803, 0.2347, 0.1067

Inverse Universe

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



46.3852, 0.3354, 0.3074



64.9261, 0.3418, 0.3023



58.6465, 0.3083, 0.3795



12.5085, 0.3224, 0.3190



9.1270, 0.5243, 0.2662



0.5669, 0.4806, 0.2421

Previews

White Background



This preview shows how the Yxy color 44.9723, 0.2996, 0.2778 looks on a white background.

Color Contrast Check

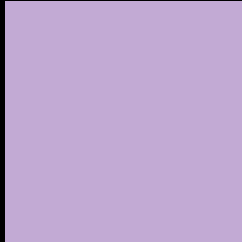
Large Text (above 18pt) WCAG AA × Fail

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 44.9723, 0.2996, 0.2778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

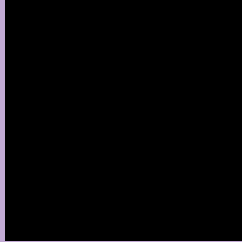
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9723, 0.2996, 0.2778

Background



This preview shows how black text looks on a background with the Yxy color 44.9723, 0.2996, 0.2778.



This preview shows how white text looks on a background with the Yxy color 44.9723, 0.2996, 0.2778.

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

44.9723, 0.2996, 0.2778

Protanopia

45.0001, 0.2770, 0.2781

Deuteranopia

45.1869, 0.2898, 0.2838



Tritanopia

44.8501, 0.3153, 0.3112

Trichromacy



Original Color

44.9723, 0.2996, 0.2778

Protanomaly

44.7621, 0.2852, 0.2776

Deuteranomaly

45.0294, 0.2938, 0.2817

Tritanomaly

44.9947, 0.3089, 0.2989

Monochromacy



Original Color

44.9723, 0.2996, 0.2778

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.1301, 0.3076, 0.3099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9723, 0.2996, 0.2778 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(194, 170, 212)` looks like.

```
.text, #text, p{  
    color:rgb(194, 170, 212)  
}
```

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(194, 170, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 170, 212) }
```

Border

The CSS property to change the border of an element to Yxy 44.9723, 0.2996, 0.2778 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(194, 170, 212) }
```

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

```
.border{ border-color:rgb(194, 170, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 170, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 170, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 170, 212);  
box-shadow:4px 4px 4px 4px rgb(194, 170,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9723, 0.2996, 0.2778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 170, 212) }
```

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

```
.background{ background-color: rgb(194,  
170, 212) }
```

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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