

Converting Colors

$Y_{xy}(48.1749, 0.2979, 0.2745)$

Have a look what the booklet for
Yxy(48.1749, 0.2979, 0.2745)
contains.

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Color

Yxy(48.1598, 0.2978, 0.2747)

Conversions

Conversions Part 1

Format	Color
Hex	C8AFDD
RGB	200, 175, 221
RGB Percent	78%, 69%, 87%
CMY	0.2155, 0.3138, 0.1333
CMYK	0.09, 0.21, 0.00, 0.13
HSL	273°, 40%, 78%
HSV	273°, 21%, 87%
XYZ	52.2096, 48.1598, 74.9484
YIQ	187.7190, 0.1340, 19.6060

Conversions

Conversions Part 2

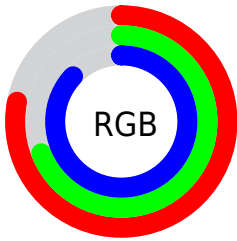
Format	Color
R_{YB}	200, 175, 221
Decimal	13152221
CIE _{Lab}	74.93, 17.57, -19.82
CIE _{LCh}	75, 26.485, 311.550
Yxy	48.1598, 0.2978, 0.2747
Android (android.graphics.Color)	4291342301 (0xFFC8AFDD)
YUV	187.7190, 16.4075, 10.7704
Hunter-Lab	69.3973, 12.8457, -15.4545

Details

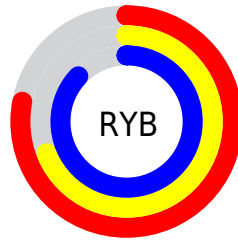
The Yxy color **48.1598, 0.2978, 0.2747** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **66.5337, 0.3251, 0.3839**, and the grayscale version is **50.0307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6318, 0.3138, 0.3058**, and **22.7832, 0.2933, 0.2601** is the 20% darker color. If you saturate the color by 10%, you get **38.9118, 0.2888, 0.2462**, and if you desaturate by 10%, it is **58.9108, 0.3056, 0.3018**.

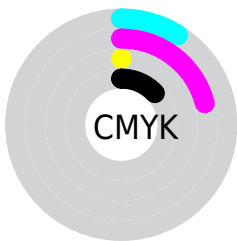
Distribution



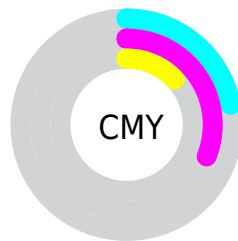
- Red (78%)
- Green (69%)
- Blue (87%)



- Red (78%)
- Yellow (69%)
- Blue (87%)



- Cyan (9%)
- Magenta (21%)
- Yellow (0%)
- Black (13%)





- Cyan (22%)
- Magenta (31%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1598, 0.2978, 0.2747 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 48.1598, 0.2978, 0.2747 by changing the saturation by 10% instead.

 48.1598, 0.2978,
0.2747

 48.1598, 0.2978,
0.2747


379.4252, 0.3055,
0.3007

 33.9535, 0.2958,
0.2686


 87.4423, 0.3007,
0.2839

 22.8578, 0.2932,
0.2609


113.2872, 0.3017,
0.2874

 14.4886, 0.2898,
0.2511


143.7804, 0.3026,
0.2904

 8.4613, 0.2849,
0.2379

179.3064, 0.3034,
0.2930

 4.3915, 0.2776,
0.2197

220.2495, 0.3040,
0.2953

 1.8949, 0.2656,
0.1927

266.9940, 0.3046,

 0.5453, 0.2456,

0.2973

0.1407

319.9245, 0.3051,
0.2991

0.0000, 0.0000,
0.0000

48.1598, 0.2978,
0.2747

48.1598, 0.2978,
0.2747

38.9118, 0.2888,
0.2462

58.9108, 0.3056,
0.3018

31.0905, 0.2787,
0.2169

71.2241, 0.3122,
0.3270

24.6221, 0.2675,
0.1880

85.1633, 0.3178,
0.3501

19.4235, 0.2556,
0.1607

95.3178, 0.3232,
0.3631

15.4018, 0.2433,
0.1366

97.1309, 0.3297,
0.3624

■ 12.4514, 0.2312,
0.1168

■ 98.0003, 0.3328,
0.3621

■ 10.4463, 0.2198,
0.1023

■ 9.2404, 0.2102,
0.0932

Harmonies

Analogous

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



48.1598, 0.2665, 0.2693



48.1598, 0.2978, 0.2747



48.1598, 0.3350, 0.2926

Triad

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



48.1598, 0.2978, 0.2747



48.1598, 0.3811, 0.3763



48.1598, 0.2600, 0.3359

Complementary

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



48.1598, 0.2978, 0.2747



66.5337, 0.3251, 0.3839

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.



48.1598, 0.2883, 0.3700



48.1598, 0.2978, 0.2747



48.1598, 0.3585, 0.3929

Square

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



48.1598, 0.2978, 0.2747



48.1598, 0.3848, 0.3491



48.1598, 0.3243, 0.3915



48.1598, 0.2457, 0.3020

Rectangle

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



48.1598, 0.2978, 0.2747



48.1598, 0.3580, 0.3096



48.1598, 0.3243, 0.3915



48.1598, 0.2681, 0.3479

Sweetspot

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



48.1618, 0.2978, 0.2747



89.3263, 0.3089, 0.3141



54.0203, 0.2798, 0.2989



18.8813, 0.3084, 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.



48.1618, 0.2978, 0.2747



60.7554, 0.2940, 0.2623



51.1661, 0.3164, 0.2791



12.9649, 0.3066, 0.3054



5.4362, 0.2118, 0.0940



0.4032, 0.2287, 0.1034

Inverse Universe

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



50.0098, 0.3359, 0.3048



63.8127, 0.3420, 0.2995



63.9796, 0.3090, 0.3845



13.1496, 0.3221, 0.3184



9.4937, 0.5138, 0.2604



0.6323, 0.4743, 0.2387

Previews

White Background



This preview shows how the Yxy color 48.1598, 0.2978, 0.2747 looks on a white background.

Color Contrast Check

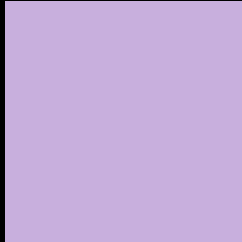
Large Text (above 18pt) WCAG AA × Fail

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 48.1598, 0.2978, 0.2747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

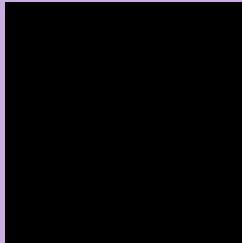
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.1598, 0.2978, 0.2747

Background



This preview shows how black text looks on a background with the Yxy color 48.1598, 0.2978, 0.2747.



This preview shows how white text looks on a background with the Yxy color 48.1598, 0.2978, 0.2747.

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

48.1598, 0.2978, 0.2747

Protanopia

48.4719, 0.2753, 0.2761

Deuteranopia

48.1241, 0.2867, 0.2802



Tritanopia

48.2733, 0.3152, 0.3117

Trichromacy



Original Color

48.1598, 0.2978, 0.2747

Protanomaly

48.2147, 0.2831, 0.2756

Deuteranomaly

47.9552, 0.2905, 0.2782

Tritanomaly

48.0707, 0.3083, 0.2973

Monochromacy



Original Color

48.1598, 0.2978, 0.2747

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.2436, 0.3070, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1598, 0.2978, 0.2747 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(200, 175, 221)` looks like.

```
.text, #text, p{  
    color:rgb(200, 175, 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(200, 175, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 175, 221) }
```

Border

The CSS property to change the border of an element to Yxy 48.1598, 0.2978, 0.2747 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(200, 175, 221) }
```

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

```
.border{ border-color:rgb(200, 175, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 175, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 175, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 175, 221);  
box-shadow:4px 4px 4px 4px rgb(200, 175,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1598, 0.2978, 0.2747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 175, 221) }
```

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

```
.background{ background-color: rgb(200,  
175, 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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