

Converting Colors

$Y_{xy}(44.7692, 0.3044, 0.2755)$

Have a look what the booklet for
Yxy(44.7692, 0.3044, 0.2755)
contains.

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Color

Yxy(44.6703, 0.3048, 0.2749)

Conversions

Conversions Part 1

Format	Color
Hex	C8A7D4
RGB	200, 167, 212
RGB Percent	78%, 65%, 83%
CMY	0.2155, 0.3451, 0.1686
CMYK	0.06, 0.21, 0.00, 0.17
HSL	284°, 34%, 74%
HSV	284°, 21%, 83%
XYZ	49.5289, 44.6703, 68.2973
YIQ	181.9970, 5.2230, 20.9910

Conversions

Conversions Part 2

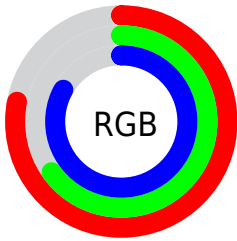
Format	Color
RYB	200, 167, 212
Decimal	13150164
CIELab	72.67, 20.14, -18.32
CIELCh	73, 27.223, 317.714
Yxy	44.6703, 0.3048, 0.2749
Android (android.graphics.Color)	4291340244 (0xFFC8A7D4)
YUV	181.9970, 14.7915, 15.7886
Hunter-Lab	66.8358, 15.3154, -13.8014

Details

The Yxy color $44.6703, 0.3048, 0.2749$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $59.4536, 0.3188, 0.3861$, and the grayscale version is $46.6960, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.7226, 0.3142, 0.2970$, and $20.8068, 0.3027, 0.2616$ is the 20% darker color. If you saturate the color by 10%, you get $36.7699, 0.3000, 0.2480$, and if you desaturate by 10%, it is $53.8763, 0.3089, 0.3011$.

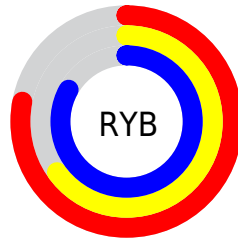
Distribution



Red (78%)

Green (65%)

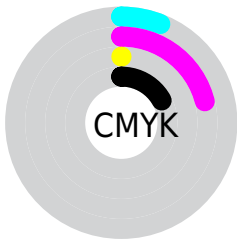
Blue (83%)



Red (78%)

Yellow (65%)

Blue (83%)

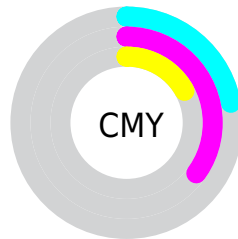


Cyan (6%)

Magenta (21%)

Yellow (0%)

Black (17%)



Cyan (22%)


Magenta (35%)

Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6703, 0.3048, 0.2749 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 44.6703, 0.3048, 0.2749 by changing the saturation by 10% instead.

 44.6703, 0.3048,
0.2749


 44.6703, 0.3048,
0.2749


365.4366, 0.3092,
0.3010

 31.1978, 0.3036,
0.2687


 82.2254, 0.3065,
0.2842

 20.7495, 0.3020,
0.2608


 107.0769, 0.3071,
0.2877

 12.9410, 0.2998,
0.2506


136.4901, 0.3076,
0.2908

 7.3880, 0.2965,
0.2370

170.8495, 0.3080,
0.2934

 3.7059, 0.2913,
0.2177

210.5394, 0.3084,
0.2957

 1.5104, 0.2822,
0.1888

255.9443, 0.3087,

 0.2961, 0.2738,

0.2977

0.1049

307.4486, 0.3089,
0.2995

0.0000, 0.0000,
0.0000

44.6703, 0.3048,
0.2749

44.6703, 0.3048,
0.2749

36.7699, 0.3000,
0.2480

53.8763, 0.3089,
0.3011

30.1071, 0.2944,
0.2211

64.4402, 0.3123,
0.3260

24.6163, 0.2882,
0.1953

76.4185, 0.3151,
0.3493

20.2236, 0.2814,
0.1716

89.8625, 0.3174,
0.3708

16.8463, 0.2743,
0.1513

92.8009, 0.3207,
0.3734

■ 14.3899, 0.2671,
0.1353

■ 93.7384, 0.3243,
0.3729

■ 12.7417, 0.2600,
0.1239

■ 94.7062, 0.3280,
0.3725

■ 11.7881, 0.2539,
0.1173

■ 95.7047, 0.3317,
0.3720

■ 96.7339, 0.3354,
0.3715

Harmonies

Analogous

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



44.6703, 0.2699, 0.2663



44.6703, 0.3048, 0.2749



44.6703, 0.3441, 0.2958

Triad

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



44.6703, 0.3048, 0.2749



44.6703, 0.3813, 0.3834



44.6703, 0.2528, 0.3284

Complementary

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



44.6703, 0.3048, 0.2749



59.4536, 0.3188, 0.3861

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.



44.6703, 0.2799, 0.3656



44.6703, 0.3048, 0.2749



44.6703, 0.3541, 0.3979

Square

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



44.6703, 0.3048, 0.2749



44.6703, 0.3897, 0.3563



44.6703, 0.3168, 0.3921



44.6703, 0.2414, 0.2942

Rectangle

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



44.6703, 0.3048, 0.2749



44.6703, 0.3669, 0.3146



44.6703, 0.3168, 0.3921



44.6703, 0.2603, 0.3411

Sweetspot

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



44.6722, 0.3048, 0.2749



89.8608, 0.3108, 0.3142



45.2052, 0.2784, 0.2864



19.0077, 0.3105, 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.



44.6722, 0.3048, 0.2749



62.7783, 0.3029, 0.2641



45.8714, 0.3240, 0.2882



12.4590, 0.3096, 0.3057



7.3286, 0.2549, 0.1178



0.4814, 0.2668, 0.1243

Inverse Universe

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



44.8836, 0.3441, 0.3146



63.1941, 0.3518, 0.3117



58.4946, 0.3031, 0.3735



12.4745, 0.3250, 0.3228



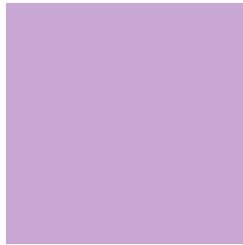
8.8336, 0.5866, 0.3005



0.5466, 0.5366, 0.2729

Previews

White Background



This preview shows how the Yxy color 44.6703, 0.3048, 0.2749 looks on a white background.

Color Contrast Check

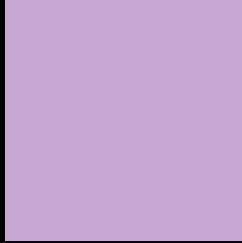
Large Text (above 18pt) WCAG AA × Fail

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 44.6703, 0.3048, 0.2749 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 44.6703, 0.3048, 0.2749

Background



This preview shows how black text looks on a background with the Yxy color 44.6703, 0.3048, 0.2749.



This preview shows how white text looks on a background with the Yxy color 44.6703, 0.3048, 0.2749.

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

44.6703, 0.3048, 0.2749

Protanopia

44.9938, 0.2749, 0.2757

Deuteranopia

44.6786, 0.2889, 0.2824



Tritanopia

44.7436, 0.3233, 0.3126

Trichromacy



Original Color

44.6703, 0.3048, 0.2749

Protanomaly

44.5483, 0.2852, 0.2753

Deuteranomaly

44.3938, 0.2945, 0.2793

Tritanomaly

44.5599, 0.3160, 0.2980

Monochromacy



Original Color

44.6703, 0.3048, 0.2749

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.1134, 0.3102, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6703, 0.3048, 0.2749 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, 167, 212)` looks like.

```
.text, #text, p{  
    color:rgb(200, 167, 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(200, 167, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 167, 212) }
```

Border

The CSS property to change the border of an element to Yxy 44.6703, 0.3048, 0.2749 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, 167, 212) }
```

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

```
.border{ border-color:rgb(200, 167, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 167, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 167, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 167, 212);  
box-shadow:4px 4px 4px 4px rgb(200, 167,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6703, 0.3048, 0.2749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 167, 212) }
```

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

```
.background{ background-color: rgb(200,  
167, 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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