

Converting Colors

$Y_{xy}(42.8225, 0.3114, 0.2790)$

Have a look what the booklet for
Yxy(42.8225, 0.3114, 0.2790)
contains.

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Color

Yxy(42.8334, 0.3115, 0.2790)

Conversions

Conversions Part 1

Format	Color
Hex	C8A3CC
RGB	200, 163, 204
RGB Percent	78%, 64%, 80%
CMY	0.2155, 0.3608, 0.2000
CMYK	0.02, 0.20, 0.00, 0.20
HSL	294°, 29%, 72%
HSV	294°, 20%, 80%
XYZ	47.8230, 42.8334, 62.8684
YIQ	178.7370, 8.8910, 20.5950

Conversions

Conversions Part 2

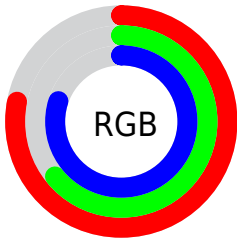
Format	Color
R _{YB}	200, 163, 204
Decimal	13149132
CIE _{Lab}	71.44, 20.78, -15.78
CIE _{LCh}	71, 26.090, 322.786
Y _{xy}	42.8334, 0.3115, 0.2790
Android (android.graphics.Color)	4291339212 (0xFFC8A3CC)
YUV	178.7370, 12.4547, 18.6477
Hunter-Lab	65.4472, 15.8991, -11.1407

Details

The Yxy color $42.8334, 0.3115, 0.2790$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $54.0350, 0.3131, 0.3835$, and the grayscale version is $44.8636, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.6228, 0.3144, 0.2930$, and $19.6819, 0.3107, 0.2654$ is the 20% darker color. If you saturate the color by 10%, you get $35.8978, 0.3105, 0.2535$, and if you desaturate by 10%, it is $50.9446, 0.3122, 0.3043$.

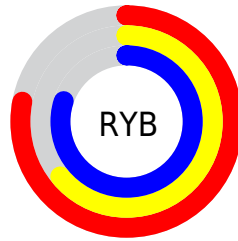
Distribution



Red (78%)

Green (64%)

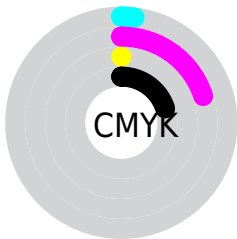
Blue (80%)



Red (78%)

Yellow (64%)

Blue (80%)

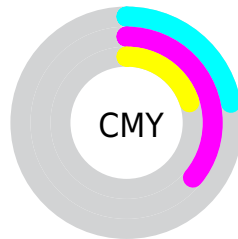


Cyan (2%)

Magenta (20%)

Yellow (0%)

Black (20%)



Cyan (22%)


Magenta (36%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8334, 0.3115, 0.2790 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 42.8334, 0.3115, 0.2790 by changing the saturation by 10% instead.

 42.8334, 0.3115,
0.2790

 42.8334, 0.3115,
0.2790


357.9262, 0.3125,
0.3034

 29.7544, 0.3111,
0.2731


 79.4594, 0.3119,
0.2877

 19.6523, 0.3106,
0.2657


 103.7752, 0.3121,
0.2910

 12.1425, 0.3098,
0.2560


132.6054, 0.3122,
0.2938

 6.8408, 0.3085,
0.2428

166.3344, 0.3123,
0.2963

 3.3627, 0.3061,
0.2240

205.3466, 0.3124,
0.2984

 1.3239, 0.3013,
0.1951

250.0263, 0.3124,

 0.1596, 0.3093,

0.3003

0.0749

300.7581, 0.3125,
0.3019

0.0000, 0.0000,
0.0000

42.8334, 0.3115,
0.2790

42.8334, 0.3115,
0.2790

35.8978, 0.3105,
0.2535

50.9446, 0.3122,
0.3043

30.0762, 0.3092,
0.2287

60.2780, 0.3127,
0.3288

25.3100, 0.3077,
0.2054

70.8844, 0.3130,
0.3519

21.5329, 0.3058,
0.1847

82.8102, 0.3131,
0.3736

18.6711, 0.3037,
0.1675

89.5616, 0.3137,
0.3839

■ 16.6405, 0.3014,
0.1544

■ 89.8516, 0.3150,
0.3837

■ 15.3414, 0.2990,
0.1458

■ 90.1451, 0.3162,
0.3835

■ 14.5917, 0.2966,
0.1408

■ 90.4423, 0.3174,
0.3833

■ 90.7430, 0.3187,
0.3831

Harmonies

Analogous

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



42.8334, 0.2761, 0.2683



42.8334, 0.3115, 0.2790



42.8334, 0.3493, 0.3011

Triad

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



42.8334, 0.3115, 0.2790



42.8334, 0.3760, 0.3855



42.8334, 0.2514, 0.3223

Complementary

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



42.8334, 0.3115, 0.2790



54.0350, 0.3131, 0.3835

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.



42.8334, 0.2755, 0.3588



42.8334, 0.3115, 0.2790



42.8334, 0.3473, 0.3964

Square

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



42.8334, 0.3115, 0.2790



42.8334, 0.3877, 0.3607



42.8334, 0.3104, 0.3871



42.8334, 0.2430, 0.2907

Rectangle

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



42.8334, 0.3115, 0.2790



42.8334, 0.3700, 0.3200



42.8334, 0.3104, 0.3871



42.8334, 0.2578, 0.3345

Sweetspot

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



42.8353, 0.3115, 0.2790



90.3452, 0.3124, 0.3143



39.8152, 0.2798, 0.2797



19.1225, 0.3124, 0.3126



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.



42.8353, 0.3115, 0.2790



65.8735, 0.3111, 0.2682



42.6403, 0.3294, 0.2987



11.3467, 0.3123, 0.3061



9.2074, 0.2970, 0.1410



0.4913, 0.3019, 0.1437

Inverse Universe

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



41.8149, 0.3485, 0.3241



63.9105, 0.3582, 0.3230



54.2380, 0.2990, 0.3614



11.2309, 0.3275, 0.3268



8.1173, 0.6279, 0.3233



0.4249, 0.5929, 0.3040

Previews

White Background



This preview shows how the Yxy color 42.8334, 0.3115, 0.2790 looks on a white background.

Color Contrast Check

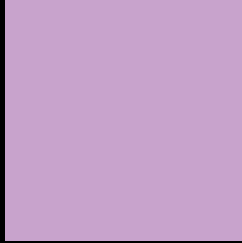
Large Text (above 18pt) WCAG AA × Fail

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 42.8334, 0.3115, 0.2790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

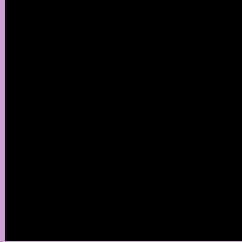
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8334, 0.3115, 0.2790

Background



This preview shows how black text looks on a background with the Yxy color 42.8334, 0.3115, 0.2790.



This preview shows how white text looks on a background with the Yxy color 42.8334, 0.3115, 0.2790.

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

42.8334, 0.3115, 0.2790

Protanopia

43.1907, 0.2786, 0.2810

Deuteranopia

42.9738, 0.2947, 0.2891



Tritanopia

42.8030, 0.3292, 0.3125

Trichromacy



Original Color

42.8334, 0.3115, 0.2790

Protanomaly

42.8872, 0.2902, 0.2806

Deuteranomaly

42.8819, 0.3007, 0.2848

Tritanomaly

42.9523, 0.3223, 0.3002

Monochromacy



Original Color

42.8334, 0.3115, 0.2790

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.0828, 0.3127, 0.3097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8334, 0.3115, 0.2790 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, 163, 204)` looks like.

```
.text, #text, p{  
    color:rgb(200, 163, 204)  
}
```

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, 163, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 163, 204) }
```

Border

The CSS property to change the border of an element to Yxy 42.8334, 0.3115, 0.2790 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, 163, 204) }
```

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

```
.border{ border-color:rgb(200, 163, 204) }
```

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

Here you see how a box with a 4 pixel rgb(200, 163, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 163, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 163, 204);  
box-shadow:4px 4px 4px 4px rgb(200, 163,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8334, 0.3115, 0.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 163, 204) }
```

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

```
.background{ background-color: rgb(200,  
163, 204) }
```

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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