

Converting Colors

$Y_{xy}(42.2902, 0.3149, 0.2824)$

Have a look what the booklet for
Yxy(42.2902, 0.3149, 0.2824)
contains.

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Color

Yxy(42.2902, 0.3149, 0.2824)

Conversions

Conversions Part 1

Format	Color
Hex	C8A2C8
RGB	200, 162, 200
RGB Percent	78%, 64%, 78%
CMY	0.2158, 0.3646, 0.2158
CMYK	0.00, 0.19, 0.00, 0.22
HSL	300°, 26%, 71%
HSV	300°, 19%, 78%
XYZ	47.1572, 42.2902, 60.3055
YIQ	177.6940, 10.4500, 19.8740

Conversions

Conversions Part 2

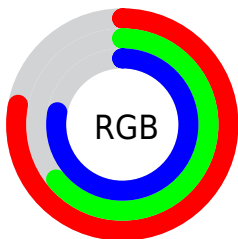
Format	Color
R _Y B	200, 162, 200
Decimal	13148872
CIE Lab	71.07, 20.52, -14.12
CIE LCh	71, 24.915, 325.464
Yxy	42.2902, 0.3149, 0.2824
Android (android.graphics.Color)	4291338952 (0xFFC8A2C8)
YUV	177.6940, 10.9969, 19.5624
Hunter-Lab	65.0309, 15.6352, -9.4601

Details

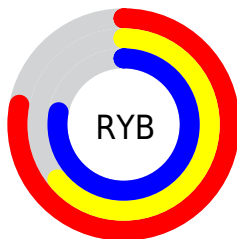
The Yxy color $42.2902, 0.3149, 0.2824$ is a light color, and the websafe version is hex `CC99CC`, and the color name is [lilac](#). A complement of this color would be $51.5903, 0.3103, 0.3805$, and the grayscale version is $44.2871, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.1057, 0.3145, 0.2920$, and $19.3382, 0.3155, 0.2697$ is the 20% darker color. If you saturate the color by 10%, you get $35.7969, 0.3161, 0.2577$, and if you desaturate by 10%, it is $49.9076, 0.3137, 0.3072$.

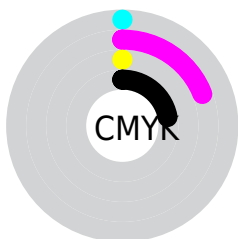
Distribution



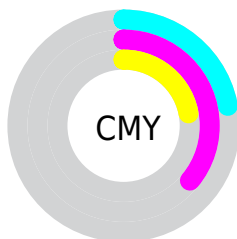
- Red (78%)
- Green (64%)
- Blue (78%)



- Red (78%)
- Yellow (64%)
- Blue (78%)



- Cyan (0%)
- Magenta (19%)
- Yellow (0%)
- Black (22%)




- Cyan (22%)
- Magenta (36%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2902, 0.3149, 0.2824 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 42.2902, 0.3149, 0.2824 by changing the saturation by 10% instead.


 42.2902, 0.3149,
0.2824

 42.2902, 0.3149,
0.2824


355.6845, 0.3141,
0.3052

 29.3286, 0.3150,
0.2769


 78.6386, 0.3147,
0.2906

 19.3295, 0.3150,
0.2698


 102.7943, 0.3146,
0.2937

 11.9086, 0.3150,
0.2606


131.4500, 0.3145,
0.2963

 6.6815, 0.3148,
0.2481

164.9903, 0.3144,
0.2986

 3.2637, 0.3141,
0.2300

203.7995, 0.3143,
0.3006

 1.2709, 0.3121,
0.2019

248.2620, 0.3143,


 0.1185, 0.3305,

0.3023


0.0638


298.7622, 0.3142,
0.3039


 0.0000, 0.0000,
0.0000

 42.2902, 0.3149,
0.2824


 42.2902, 0.3149,
0.2824

 35.7969, 0.3161,
0.2577


 49.9076, 0.3137,
0.3072


 30.3692, 0.3172,
0.2338


 58.6927, 0.3126,
0.3314

 25.9520, 0.3182,
0.2118

 68.6940, 0.3115,
0.3545

 22.4829, 0.3191,
0.1926

 79.9552, 0.3105,
0.3762

 19.8924, 0.3198,
0.1769

 87.9656, 0.3099,
0.3894

■ 18.1019, 0.3204,
0.1654

■ 87.9658, 0.3099,
0.3894

■ 17.0186, 0.3207,
0.1581

■ 87.9659, 0.3099,
0.3894

■ 16.4875, 0.3209,
0.1545

■ 87.9661, 0.3099,
0.3894

■ 16.4432, 0.3209,
0.1541

■ 87.9663, 0.3099,
0.3894

Harmonies

Analogous

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



42.2902, 0.2803, 0.2710



42.2902, 0.3149, 0.2824



42.2902, 0.3507, 0.3045

Triad

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



42.2902, 0.3149, 0.2824



42.2902, 0.3716, 0.3849



42.2902, 0.2524, 0.3196

Complementary

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



42.2902, 0.3149, 0.2824



51.5903, 0.3103, 0.3805

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.



42.2902, 0.2744, 0.3545



42.2902, 0.3149, 0.2824



42.2902, 0.3430, 0.3936

Square

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



42.2902, 0.3149, 0.2824



42.2902, 0.3844, 0.3620



42.2902, 0.3073, 0.3828



42.2902, 0.2458, 0.2902

Rectangle

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



42.2902, 0.3149, 0.2824



42.2902, 0.3698, 0.3231



42.2902, 0.3073, 0.3828



42.2902, 0.2582, 0.3312

Sweetspot

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



42.2920, 0.3149, 0.2824



90.6235, 0.3134, 0.3143



37.9232, 0.2816, 0.2784



19.1886, 0.3135, 0.3127



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.



42.2920, 0.3149, 0.2824



68.1172, 0.3154, 0.2716



41.4855, 0.3312, 0.3043



10.8166, 0.3138, 0.3062



10.4580, 0.3209, 0.1541



0.4952, 0.3209, 0.1541

Inverse Universe

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



40.7328, 0.3495, 0.3291



64.8996, 0.3604, 0.3291



52.2909, 0.2976, 0.3551



10.6370, 0.3290, 0.3290



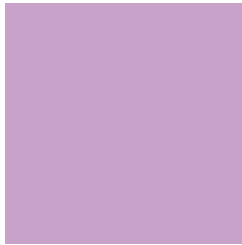
7.8077, 0.6401, 0.3300



0.3697, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 42.2902, 0.3149, 0.2824 looks on a white background.

Color Contrast Check

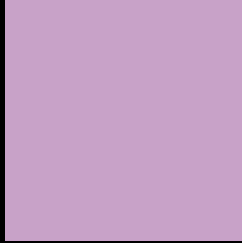
Large Text (above 18pt) WCAG AA × Fail

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 42.2902, 0.3149, 0.2824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

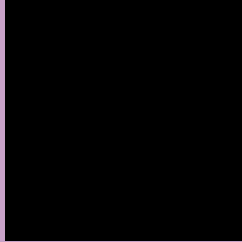
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2902, 0.3149, 0.2824

Background



This preview shows how black text looks on a background with the Yxy color 42.2902, 0.3149, 0.2824.



This preview shows how white text looks on a background with the Yxy color 42.2902, 0.3149, 0.2824.

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

42.2902, 0.3149, 0.2824

Protanopia

42.6076, 0.2814, 0.2845

Deuteranopia

42.5300, 0.2987, 0.2928



Tritanopia

42.3974, 0.3302, 0.3125

Trichromacy



Original Color

42.2902, 0.3149, 0.2824

Protanomaly

42.3193, 0.2932, 0.2840

Deuteranomaly

42.3257, 0.3040, 0.2883

Tritanomaly

42.5039, 0.3241, 0.3014

Monochromacy



Original Color

42.2902, 0.3149, 0.2824

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.4893, 0.3136, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2902, 0.3149, 0.2824 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, 162, 200)` looks like.

```
.text, #text, p{  
    color:rgb(200, 162, 200)  
}
```

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, 162, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 162, 200) }
```

Border

The CSS property to change the border of an element to Yxy 42.2902, 0.3149, 0.2824 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, 162, 200) }
```

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

```
.border{ border-color:rgb(200, 162, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 162, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 162, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 162, 200);  
box-shadow:4px 4px 4px 4px rgb(200, 162,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2902, 0.3149, 0.2824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 162, 200) }
```

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

```
.background{ background-color: rgb(200,  
162, 200) }
```

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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