

Converting Colors

$Y_{xy}(39.8327, 0.3125, 0.2712)$

Have a look what the booklet for
Yxy(39.8327, 0.3125, 0.2712)
contains.

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Color

Yxy(39.8491, 0.3126, 0.2712)

Conversions

Conversions Part 1

Format	Color
Hex	C79BCA
RGB	199, 155, 202
RGB Percent	78%, 61%, 79%
CMY	0.2197, 0.3921, 0.2078
CMYK	0.02, 0.23, 0.00, 0.21
HSL	296°, 31%, 70%
HSV	296°, 23%, 79%
XYZ	45.9323, 39.8491, 61.1549
YIQ	173.5140, 11.1370, 23.9450

Conversions

Conversions Part 2

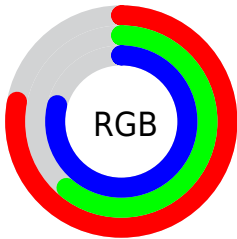
Format	Color
R _Y B	199, 155, 202
Decimal	13081546
CIE Lab	69.36, 24.43, -17.84
CIE LCh	69, 30.250, 323.866
Yxy	39.8491, 0.3126, 0.2712
Android (android.graphics.Color)	4291271626 (0xFFC79BCA)
YUV	173.5140, 14.0436, 22.3512
Hunter-Lab	63.1261, 19.4106, -13.2502

Details

The Yxy color $39.8491, 0.3126, 0.2712$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $51.8871, 0.3120, 0.3934$, and the grayscale version is $41.9885, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.5732, 0.3148, 0.2851$, and $17.8584, 0.3123, 0.2550$ is the 20% darker color. If you saturate the color by 10%, you get $33.5019, 0.3123, 0.2461$, and if you desaturate by 10%, it is $47.3261, 0.3128, 0.2964$.

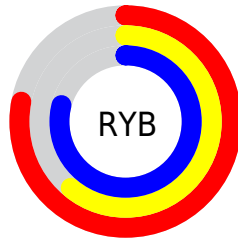
Distribution



Red (78%)

Green (61%)

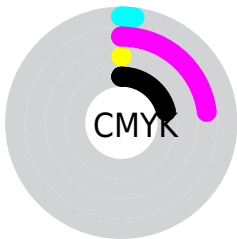
Blue (79%)



Red (78%)

Yellow (61%)

Blue (79%)

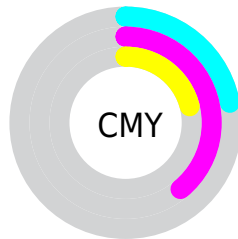


Cyan (2%)

Magenta (23%)

Yellow (0%)

Black (21%)



Cyan (22%)


Magenta (39%)

Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8491, 0.3126, 0.2712 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 39.8491, 0.3126, 0.2712 by changing the saturation by 10% instead.


 39.8491, 0.3126,
0.2712


 39.8491, 0.3126,
0.2712


345.4871, 0.3132,
0.2995

 27.4209, 0.3123,
0.2643


 74.9337, 0.3129,
0.2813

 17.8896, 0.3118,
0.2556


 98.3588, 0.3130,
0.2852

 10.8707, 0.3110,
0.2443


126.2185, 0.3131,
0.2885

 5.9800, 0.3097,
0.2288

158.8969, 0.3131,
0.2913

 2.8329, 0.3070,
0.2068

196.7786, 0.3131,
0.2937

 1.0451, 0.3012,
0.1730

240.2480, 0.3132,

 0.0000, 0.3087,

0.2959

0.0000

289.6894, 0.3132,
0.2978

0.0000, 0.0000,
0.0000

39.8491, 0.3126,
0.2712

39.8491, 0.3126,
0.2712

33.5019, 0.3123,
0.2461

47.3261, 0.3128,
0.2964

28.2235, 0.3117,
0.2221

55.9797, 0.3127,
0.3211

23.9547, 0.3109,
0.2001

65.8605, 0.3126,
0.3448

20.6289, 0.3099,
0.1810

77.0146, 0.3124,
0.3670

18.1712, 0.3087,
0.1658

88.8345, 0.3121,
0.3865

■ 16.4954, 0.3073,
0.1548

■ 89.0212, 0.3129,
0.3864

■ 15.4976, 0.3058,
0.1480

■ 89.2094, 0.3138,
0.3863

■ 15.0816, 0.3047,
0.1452

■ 89.3991, 0.3146,
0.3861

■ 89.5904, 0.3154,
0.3860

Harmonies

Analogous

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



39.8491, 0.2707, 0.2581



39.8491, 0.3126, 0.2712



39.8491, 0.3575, 0.2972

Triad

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



39.8491, 0.3126, 0.2712



39.8491, 0.3866, 0.3962



39.8491, 0.2398, 0.3189

Complementary

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



39.8491, 0.3126, 0.2712



51.8871, 0.3120, 0.3934

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.



39.8491, 0.2672, 0.3630



39.8491, 0.3126, 0.2712



39.8491, 0.3517, 0.4095

Square

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



39.8491, 0.3126, 0.2712



39.8491, 0.4017, 0.3667



39.8491, 0.3078, 0.3980



39.8491, 0.2310, 0.2821

Rectangle

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



39.8491, 0.3126, 0.2712



39.8491, 0.3820, 0.3192



39.8491, 0.3078, 0.3980



39.8491, 0.2470, 0.3335

Sweetspot

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



39.8508, 0.3126, 0.2712



88.9176, 0.3128, 0.3118



35.7377, 0.2739, 0.2686



18.8379, 0.3128, 0.3103



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.



39.8508, 0.3126, 0.2712



61.7321, 0.3125, 0.2583



39.3675, 0.3341, 0.2956



11.3655, 0.3128, 0.3061



9.7185, 0.3049, 0.1453



0.5127, 0.3082, 0.1472

Inverse Universe

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



38.4748, 0.3572, 0.3252



59.0147, 0.3704, 0.3244



52.3265, 0.2959, 0.3650



11.2252, 0.3280, 0.3275



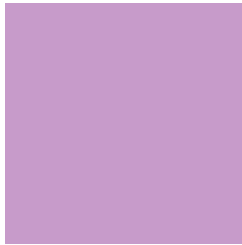
8.1034, 0.6324, 0.3257



0.4222, 0.6075, 0.3120

Previews

White Background



This preview shows how the Yxy color 39.8491, 0.3126, 0.2712 looks on a white background.

Color Contrast Check

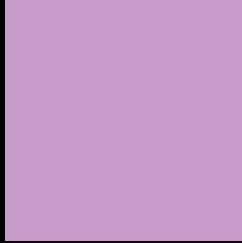
Large Text (above 18pt) WCAG AA × Fail

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 39.8491, 0.3126, 0.2712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

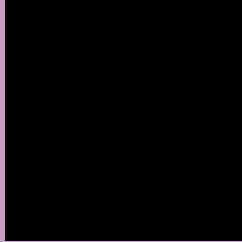
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8491, 0.3126, 0.2712

Background



This preview shows how black text looks on a background with the Yxy color 39.8491, 0.3126, 0.2712.



This preview shows how white text looks on a background with the Yxy color 39.8491, 0.3126, 0.2712.

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

39.8491, 0.3126, 0.2712

Protanopia

40.0793, 0.2718, 0.2719

Deuteranopia

40.1005, 0.2894, 0.2840



Tritanopia

39.7608, 0.3347, 0.3122

Trichromacy



Original Color

39.8491, 0.3126, 0.2712

Protanomaly

39.7471, 0.2856, 0.2707

Deuteranomaly

39.8815, 0.2971, 0.2787

Tritanomaly

39.6502, 0.3257, 0.2959

Monochromacy



Original Color

39.8491, 0.3126, 0.2712

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.1654, 0.3129, 0.3066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8491, 0.3126, 0.2712 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(199, 155, 202)` looks like.

```
.text, #text, p{  
    color:rgb(199, 155, 202)  
}
```

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(199, 155, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 155, 202) }
```

Border

The CSS property to change the border of an element to Yxy 39.8491, 0.3126, 0.2712 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(199, 155, 202) }
```

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

```
.border{ border-color:rgb(199, 155, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 155, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 155, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 155, 202);  
box-shadow:4px 4px 4px 4px rgb(199, 155,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8491, 0.3126, 0.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 155, 202) }
```

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

```
.background{ background-color: rgb(199,  
155, 202) }
```

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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