

Converting Colors

$Y_{xy}(39.6279, 0.3133, 0.2669)$

Have a look what the booklet for
Yxy(39.6279, 0.3133, 0.2669)
contains.

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Color

Yxy(39.6987, 0.3138, 0.2670)

Conversions

Conversions Part 1

Format	Color
Hex	CA99CC
RGB	202, 153, 204
RGB Percent	79%, 60%, 80%
CMY	0.2076, 0.4001, 0.2000
CMYK	0.01, 0.25, 0.00, 0.20
HSL	298°, 33%, 70%
HSV	298°, 25%, 80%
XYZ	46.6571, 39.6987, 62.3284
YIQ	173.4650, 12.8330, 26.2490

Conversions

Conversions Part 2

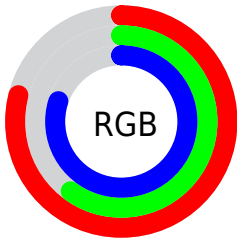
Format	Color
R _Y B	202, 153, 204
Decimal	13277644
CIE Lab	69.25, 26.95, -19.07
CIE LCh	69, 33.014, 324.711
Yxy	39.6987, 0.3138, 0.2670
Android (android.graphics.Color)	4291467724 (0xFFCA99CC)
YUV	173.4650, 15.0538, 25.0252
Hunter-Lab	63.0069, 21.9186, -14.5467

Details

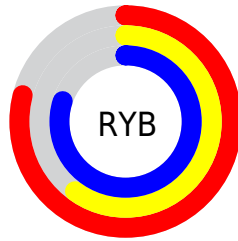
The Yxy color $39.6987, 0.3138, 0.2670$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $52.4459, 0.3109, 0.3992$, and the grayscale version is $41.9580, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.5918, 0.3149, 0.2831$, and $17.7124, 0.3125, 0.2494$ is the 20% darker color. If you saturate the color by 10%, you get $33.4762, 0.3140, 0.2423$, and if you desaturate by 10%, it is $47.0667, 0.3134, 0.2921$.

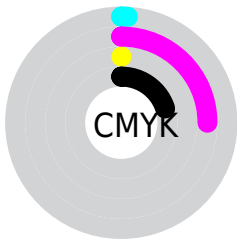
Distribution



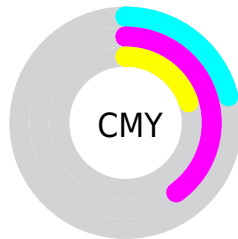
- Red (79%)
- Green (60%)
- Blue (80%)



- Red (79%)
- Yellow (60%)
- Blue (80%)



- Cyan (1%)
- Magenta (25%)
- Yellow (0%)
- Black (20%)





- Cyan (21%)
- Magenta (40%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.6987, 0.3138, 0.2670 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 39.6987, 0.3138, 0.2670 by changing the saturation by 10% instead.


 39.6987, 0.3138,
0.2670


 39.6987, 0.3138,
0.2670


344.8520, 0.3139,
0.2973

 27.3037, 0.3136,
0.2597


 74.7045, 0.3140,
0.2778

 17.8014, 0.3133,
0.2505


 98.0841, 0.3140,
0.2819

 10.8075, 0.3126,
0.2385


125.8940, 0.3140,
0.2854

 5.9376, 0.3114,
0.2222

158.5186, 0.3140,
0.2884

 2.8072, 0.3090,
0.1992

196.3423, 0.3139,
0.2911

 1.0319, 0.3034,
0.1644

239.7495, 0.3139,

 0.0000, 0.3131,

0.2934

0.0000

289.1246, 0.3139,
0.2954


 0.0000, 0.0000,
0.0000


 39.6987, 0.3138,
0.2670


 39.6987, 0.3138,
0.2670

 33.4762, 0.3140,
0.2423


 47.0667, 0.3134,
0.2921


 28.3361, 0.3141,
0.2189


 55.6289, 0.3130,
0.3169


 24.2167, 0.3140,
0.1978

 65.4377, 0.3124,
0.3408

 21.0485, 0.3137,
0.1799

 76.5405, 0.3119,
0.3633

 18.7531, 0.3133,
0.1659

 88.9825, 0.3113,
0.3842

■ 17.2395, 0.3126,
0.1562

■ 89.1050, 0.3118,
0.3842

■ 16.3971, 0.3118,
0.1507

■ 89.2173, 0.3123,
0.3841

■ 16.1237, 0.3113,
0.1489

■ 89.3301, 0.3128,
0.3840

■ 89.4434, 0.3132,
0.3839

Harmonies

Analogous

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



39.6987, 0.2679, 0.2524



39.6987, 0.3138, 0.2670



39.6987, 0.3629, 0.2953

Triad

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



39.6987, 0.3138, 0.2670



39.6987, 0.3923, 0.4026



39.6987, 0.2329, 0.3163

Complementary

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



39.6987, 0.3138, 0.2670



52.4459, 0.3109, 0.3992

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.



39.6987, 0.2619, 0.3649



39.6987, 0.3138, 0.2670



39.6987, 0.3536, 0.4173

Square

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



39.6987, 0.3138, 0.2670



39.6987, 0.4098, 0.3705



39.6987, 0.3057, 0.4042



39.6987, 0.2241, 0.2767

Rectangle

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



39.6987, 0.3138, 0.2670



39.6987, 0.3895, 0.3191



39.6987, 0.3057, 0.4042



39.6987, 0.2404, 0.3323

Sweetspot

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



39.7004, 0.3138, 0.2670



87.5205, 0.3131, 0.3093



34.7514, 0.2704, 0.2622



18.2630, 0.3132, 0.3055



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.



39.7004, 0.3138, 0.2670



59.9705, 0.3139, 0.2536



38.9522, 0.3369, 0.2940



11.3811, 0.3132, 0.3061



10.1583, 0.3115, 0.1490



0.5310, 0.3134, 0.1500

Inverse Universe

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



37.9786, 0.3630, 0.3267



56.6536, 0.3779, 0.3261



53.0878, 0.2941, 0.3669



11.2205, 0.3284, 0.3282



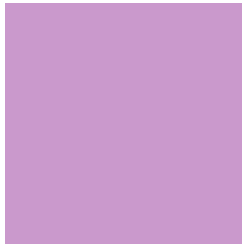
8.0939, 0.6355, 0.3274



0.4200, 0.6202, 0.3190

Previews

White Background



This preview shows how the Yxy color 39.6987, 0.3138, 0.2670 looks on a white background.

Color Contrast Check

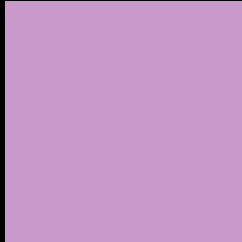
Large Text (above 18pt) WCAG AA × Fail

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 39.6987, 0.3138, 0.2670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

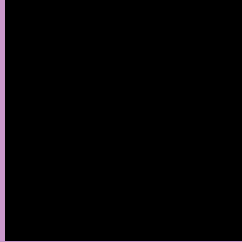
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.6987, 0.3138, 0.2670

Background



This preview shows how black text looks on a background with the Yxy color 39.6987, 0.3138, 0.2670.



This preview shows how white text looks on a background with the Yxy color 39.6987, 0.3138, 0.2670.

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

39.6987, 0.3138, 0.2670

Protanopia

40.1294, 0.2690, 0.2682

Deuteranopia

39.7206, 0.2870, 0.2801



Tritanopia

39.6069, 0.3387, 0.3136

Trichromacy



Original Color

39.6987, 0.3138, 0.2670

Protanomaly

39.8462, 0.2841, 0.2684

Deuteranomaly

39.7466, 0.2963, 0.2751

Tritanomaly

39.6750, 0.3296, 0.2962

Monochromacy



Original Color

39.6987, 0.3138, 0.2670

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

40.9235, 0.3138, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6987, 0.3138, 0.2670 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(202, 153, 204)` looks like.

```
.text, #text, p{  
    color:rgb(202, 153, 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(202, 153, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 153, 204) }
```

Border

The CSS property to change the border of an element to Yxy 39.6987, 0.3138, 0.2670 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(202, 153, 204) }
```

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

```
.border{ border-color:rgb(202, 153, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 153, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 153, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 153, 204);  
box-shadow:4px 4px 4px 4px rgb(202, 153,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6987, 0.3138, 0.2670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 153, 204) }
```

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

```
.background{ background-color: rgb(202,  
153, 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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