

Converting Colors

$Yxy(37.6816, 0.3112, 0.2603)$

Have a look what the booklet for
Yxy(37.6816, 0.3112, 0.2603)
contains.

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Color

Yxy(37.6816, 0.3112, 0.2603)

Conversions

Conversions Part 1

Format	Color
Hex	C794CC
RGB	199, 148, 204
RGB Percent	78%, 58%, 80%
CMY	0.2195, 0.4197, 0.2000
CMYK	0.02, 0.27, 0.00, 0.20
HSL	295°, 35%, 69%
HSV	295°, 27%, 80%
XYZ	45.0500, 37.6816, 62.0306
YIQ	169.6330, 12.4200, 28.2280

Conversions

Conversions Part 2

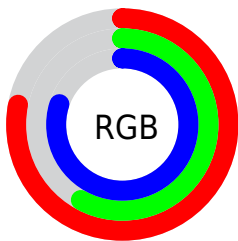
Format	Color
R _{YB}	199, 148, 204
Decimal	13079756
CIE Lab	67.79, 28.70, -21.34
CIE LCh	68, 35.763, 323.365
Yxy	37.6816, 0.3112, 0.2603
Android (android.graphics.Color)	4291269836 (0xFFC794CC)
YUV	169.6330, 16.9429, 25.7549
Hunter-Lab	61.3853, 23.5748, -16.9435

Details

The Yxy color **37.6816, 0.3112, 0.2603** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.0960, 0.3127, 0.4066**, and the grayscale version is **39.9178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1919, 0.3151, 0.2782**, and **16.6807, 0.3088, 0.2421** is the 20% darker color. If you saturate the color by 10%, you get **31.5918, 0.3102, 0.2353**, and if you desaturate by 10%, it is **44.9055, 0.3120, 0.2858**.

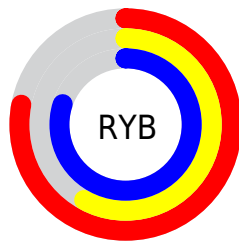
Distribution



Red (78%)

Green (58%)

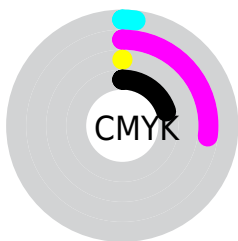
Blue (80%)



Red (78%)

Yellow (58%)

Blue (80%)

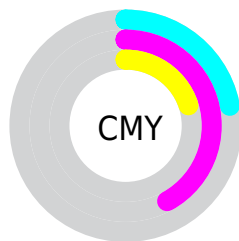


Cyan (2%)

Magenta (27%)

Yellow (0%)

Black (20%)



Cyan (22%)


Magenta (42%)


Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6816, 0.3112, 0.2603 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 37.6816, 0.3112, 0.2603 by changing the saturation by 10% instead.


 37.6816, 0.3112,
0.2603


 37.6816, 0.3112,
0.2603


336.2521, 0.3127,
0.2939

 25.7357, 0.3106,
0.2522


 71.6199, 0.3119,
0.2723

 16.6260, 0.3097,
0.2419


 94.3810, 0.3121,
0.2769

 9.9682, 0.3083,
0.2285


121.5159, 0.3123,
0.2808

 5.3779, 0.3059,
0.2105

153.4091, 0.3124,
0.2841

 2.4706, 0.3015,
0.1849

190.4449, 0.3125,
0.2871

 0.8619, 0.2922,
0.1466

233.0078, 0.3126,


 0.0000, 0.2723,

0.2896


0.0000


281.4820, 0.3127,
0.2919


 0.0000, 0.0000,
0.0000


 37.6816, 0.3112,
0.2603


 37.6816, 0.3112,
0.2603


 31.5918, 0.3102,
0.2353


 44.9055, 0.3120,
0.2858


 26.5719, 0.3089,
0.2116


 53.3133, 0.3125,
0.3109


 22.5589, 0.3073,
0.1903

 62.9582, 0.3128,
0.3350

 19.4813, 0.3055,
0.1722

 73.8883, 0.3129,
0.3578

 17.2579, 0.3035,
0.1582

 86.1493, 0.3129,
0.3790

■ 15.7940, 0.3014,
0.1485

■ 89.5670, 0.3137,
0.3838

■ 14.9573, 0.2991,
0.1430

■ 89.8341, 0.3149,
0.3837

■ 14.7871, 0.2985,
0.1418

■ 90.1042, 0.3160,
0.3835

■ 90.3774, 0.3171,
0.3833

Harmonies

Analogous

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



37.6816, 0.2615, 0.2451



37.6816, 0.3112, 0.2603



37.6816, 0.3656, 0.2903

Triad

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



37.6816, 0.3112, 0.2603



37.6816, 0.4014, 0.4081



37.6816, 0.2263, 0.3168

Complementary

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



37.6816, 0.3112, 0.2603



52.0960, 0.3127, 0.4066

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.



37.6816, 0.2585, 0.3711



37.6816, 0.3112, 0.2603



37.6816, 0.3594, 0.4264

Square

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



37.6816, 0.3112, 0.2603



37.6816, 0.4198, 0.3718



37.6816, 0.3069, 0.4140



37.6816, 0.2159, 0.2727

Rectangle

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



37.6816, 0.3112, 0.2603



37.6816, 0.3958, 0.3160



37.6816, 0.3069, 0.4140



37.6816, 0.2347, 0.3347

Sweetspot

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



37.6832, 0.3112, 0.2603



87.3261, 0.3124, 0.3093



33.6309, 0.2661, 0.2586



18.2136, 0.3124, 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.



37.6832, 0.3112, 0.2603



56.1602, 0.3106, 0.2453



37.3755, 0.3371, 0.2870



11.3512, 0.3124, 0.3061



9.3272, 0.2989, 0.1420



0.4964, 0.3034, 0.1445

Inverse Universe

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



36.3132, 0.3665, 0.3228



53.5563, 0.3831, 0.3214



52.4020, 0.2942, 0.3752



11.2296, 0.3276, 0.3270



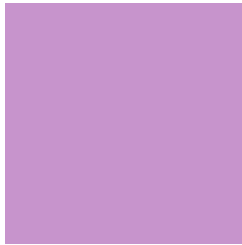
8.1137, 0.6291, 0.3239



0.4243, 0.5963, 0.3058

Previews

White Background



This preview shows how the Yxy color 37.6816, 0.3112, 0.2603 looks on a white background.

Color Contrast Check

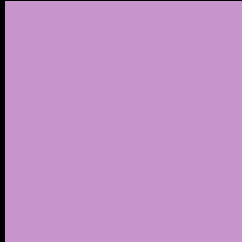
Large Text (above 18pt) WCAG AA × Fail

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 37.6816, 0.3112, 0.2603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

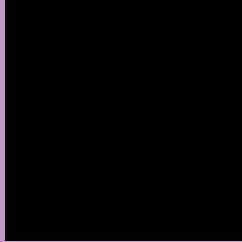
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6816, 0.3112, 0.2603

Background



This preview shows how black text looks on a background with the Yxy color 37.6816, 0.3112, 0.2603.



This preview shows how white text looks on a background with the Yxy color 37.6816, 0.3112, 0.2603.

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

37.6816, 0.3112, 0.2603

Protanopia

38.1326, 0.2632, 0.2607

Deuteranopia

37.8442, 0.2816, 0.2764



Tritanopia

37.7020, 0.3403, 0.3133

Trichromacy



Original Color

37.6816, 0.3112, 0.2603

Protanomaly

37.5919, 0.2788, 0.2598

Deuteranomaly

37.6083, 0.2918, 0.2701

Tritanomaly

37.4875, 0.3302, 0.2931

Monochromacy



Original Color

37.6816, 0.3112, 0.2603

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.0418, 0.3130, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6816, 0.3112, 0.2603 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, 148, 204)` looks like.

```
.text, #text, p{  
    color:rgb(199, 148, 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(199, 148, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 148, 204) }
```

Border

The CSS property to change the border of an element to Yxy 37.6816, 0.3112, 0.2603 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, 148, 204) }
```

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

```
.border{ border-color:rgb(199, 148, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 148, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 148, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 148, 204);  
box-shadow:4px 4px 4px 4px rgb(199, 148,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6816, 0.3112, 0.2603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 148, 204) }
```

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

```
.background{ background-color: rgb(199,  
148, 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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