

Converting Colors

$Y_{xy}(38.8259, 0.3214, 0.2700)$

Have a look what the booklet for
Yxy(38.8259, 0.3214, 0.2700)
contains.

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Color

Yxy(38.8690, 0.3222, 0.2706)

Conversions

Conversions Part 1

Format	Color
Hex	CD96C6
RGB	205, 150, 198
RGB Percent	80%, 59%, 78%
CMY	0.1960, 0.4118, 0.2235
CMYK	0.00, 0.27, 0.03, 0.20
HSL	308°, 36%, 70%
HSV	308°, 27%, 80%
XYZ	46.2808, 38.8690, 58.4902
YIQ	171.9170, 17.3720, 26.5880

Conversions

Conversions Part 2

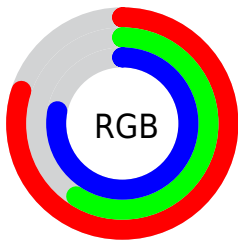
Format	Color
RYB	205, 150, 198
Decimal	13473478
CIELab	68.66, 28.46, -16.62
CIELCh	69, 32.961, 329.715
Yxy	38.8690, 0.3222, 0.2706
Android (android.graphics.Color)	4291663558 (0xFFCD96C6)
YUV	171.9170, 12.8589, 29.0138
Hunter-Lab	62.3450, 23.4029, -11.9826

Details

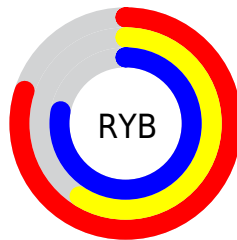
The Yxy color **38.8690, 0.3222, 0.2706** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.5920, 0.3045, 0.3954**, and the grayscale version is **41.1394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1426, 0.3150, 0.2801**, and **17.2330, 0.3243, 0.2543** is the 20% darker color. If you saturate the color by 10%, you get **32.7706, 0.3265, 0.2489**, and if you desaturate by 10%, it is **46.1176, 0.3183, 0.2927**.

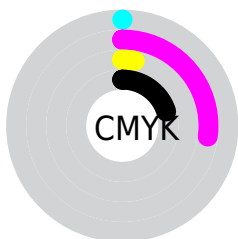
Distribution



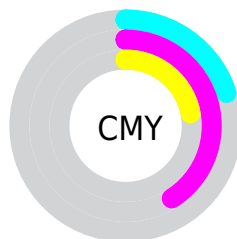
- Red (80%)
- Green (59%)
- Blue (78%)



- Red (80%)
- Yellow (59%)
- Blue (78%)



- Cyan (0%)
- Magenta (27%)
- Yellow (3%)
- Black (20%)




- Cyan (20%)
- Magenta (41%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.8690, 0.3222, 0.2706 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 38.8690, 0.3222, 0.2706 by changing the saturation by 10% instead.


 38.8690, 0.3222,
0.2706


 38.8690, 0.3222,
0.2706

341.3332, 0.3179,
0.2993

 26.6578, 0.3231,
0.2636

 73.4382, 0.3208,
0.2809

 17.3164, 0.3242,
0.2548


 96.5649, 0.3202,
0.2848

 10.4603, 0.3255,
0.2433


124.0990, 0.3197,
0.2881

 5.7052, 0.3271,
0.2275

156.4248, 0.3192,
0.2909

 2.6667, 0.3288,
0.2050

193.9268, 0.3189,
0.2934

 0.9603, 0.3301,
0.1704

236.9892, 0.3185,

 0.0000, 0.3561,

0.2956

0.0000

285.9966, 0.3182,
0.2975

0.0000, 0.0000,
0.0000

38.8690, 0.3222,
0.2706

38.8690, 0.3222,
0.2706

32.7706, 0.3265,
0.2489

46.1176, 0.3183,
0.2927

27.7576, 0.3311,
0.2283

54.5666, 0.3148,
0.3145

23.7667, 0.3360,
0.2100

64.2695, 0.3118,
0.3355

20.7259, 0.3409,
0.1948

75.2748, 0.3092,
0.3554

18.5539, 0.3458,
0.1835

87.6288, 0.3069,
0.3739

■ 17.1556, 0.3505,
0.1766

■ 89.3420, 0.3054,
0.3735

■ 16.4058, 0.3549,
0.1740

■ 89.4765, 0.3039,
0.3706

■ 16.2317, 0.3562,
0.1736

■ 89.6131, 0.3025,
0.3677

■ 89.7519, 0.3011,
0.3648

Harmonies

Analogous

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



38.8690, 0.2746, 0.2533



38.8690, 0.3222, 0.2706



38.8690, 0.3706, 0.3008

Triad

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



38.8690, 0.3222, 0.2706



38.8690, 0.3874, 0.4070



38.8690, 0.2295, 0.3086

Complementary

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



38.8690, 0.3222, 0.2706



52.5920, 0.3045, 0.3954

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.



38.8690, 0.2555, 0.3571



38.8690, 0.3222, 0.2706



38.8690, 0.3460, 0.4177

Square

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



38.8690, 0.3222, 0.2706



38.8690, 0.4093, 0.3767



38.8690, 0.2977, 0.3996



38.8690, 0.2243, 0.2714

Rectangle

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



38.8690, 0.3222, 0.2706



38.8690, 0.3952, 0.3255



38.8690, 0.2977, 0.3996



38.8690, 0.2360, 0.3241

Sweetspot

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



38.8707, 0.3222, 0.2706



87.5014, 0.3153, 0.3118



33.3292, 0.2719, 0.2537



18.2581, 0.3158, 0.3085



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.



38.8707, 0.3222, 0.2706



57.8683, 0.3245, 0.2584



37.7371, 0.3483, 0.3025



11.3782, 0.3157, 0.3090



10.1121, 0.3557, 0.1733



0.5287, 0.3479, 0.1690

Inverse Universe

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



38.8707, 0.3222, 0.2706



57.8683, 0.3245, 0.2584



53.6149, 0.2869, 0.3573



11.3782, 0.3157, 0.3090



10.1121, 0.3557, 0.1733



0.5287, 0.3479, 0.1690

Previews

White Background



This preview shows how the Yxy color 38.8690, 0.3222, 0.2706 looks on a white background.

Color Contrast Check

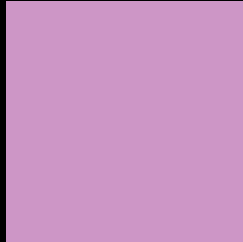
Large Text (above 18pt) WCAG AA × Fail

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 38.8690, 0.3222, 0.2706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

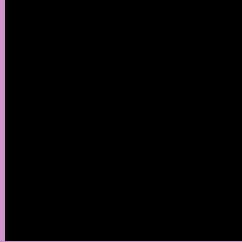
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8690, 0.3222, 0.2706

Background



This preview shows how black text looks on a background with the Yxy color 38.8690, 0.3222, 0.2706.



This preview shows how white text looks on a background with the Yxy color 38.8690, 0.3222, 0.2706.

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

38.8690, 0.3222, 0.2706

Protanopia

39.1450, 0.2722, 0.2715

Deuteranopia

39.1490, 0.2932, 0.2875



Tritanopia

39.0216, 0.3461, 0.3137

Trichromacy



Original Color

38.8690, 0.3222, 0.2706

Protanomaly

38.6633, 0.2886, 0.2704

Deuteranomaly

38.8491, 0.3030, 0.2810

Tritanomaly

38.9224, 0.3367, 0.2975

Monochromacy



Original Color

38.8690, 0.3222, 0.2706

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.0775, 0.3166, 0.3066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8690, 0.3222, 0.2706 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(205, 150, 198)` looks like.

```
.text, #text, p{  
    color:rgb(205, 150, 198)  
}
```

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(205, 150, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 150, 198) }
```

Border

The CSS property to change the border of an element to Yxy 38.8690, 0.3222, 0.2706 is called "border". The border property can be set on classes, ids or directly on the HTML element.

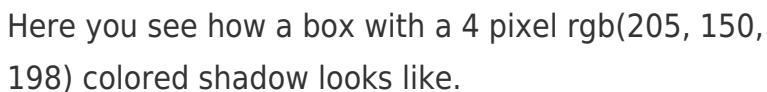
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 150, 198) }
```

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

```
.border{ border-color:rgb(205, 150, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 150, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 150, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 150, 198); box-shadow:4px 4px 4px 4px rgb(205, 150, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8690, 0.3222, 0.2706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 150, 198) }
```

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

```
.background{ background-color: rgb(205,  
150, 198) }
```

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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