

Converting Colors

$Y_{xy}(38.3692, 0.3168, 0.2715)$

Have a look what the booklet for
Yxy(38.3692, 0.3168, 0.2715)
contains.

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Color

Yxy(38.3525, 0.3164, 0.2708)

Conversions

Conversions Part 1

Format	Color
Hex	C797C6
RGB	199, 151, 198
RGB Percent	78%, 59%, 78%
CMY	0.2196, 0.4078, 0.2235
CMYK	0.00, 0.24, 0.01, 0.22
HSL	301°, 30%, 69%
HSV	301°, 24%, 78%
XYZ	44.8107, 38.3525, 58.4635
YIQ	170.7100, 13.5210, 24.7930

Conversions

Conversions Part 2

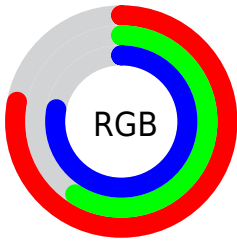
Format	Color
R_{YB}	199, 151, 198
Decimal	13080518
CIE _{Lab}	68.28, 25.88, -17.25
CIE _{LCh}	68, 31.097, 326.316
Yxy	38.3525, 0.3164, 0.2708
Android (android.graphics.Color)	4291270598 (0xFFC797C6)
YUV	170.7100, 13.4540, 24.8103
Hunter-Lab	61.9294, 20.7820, -12.6212

Details

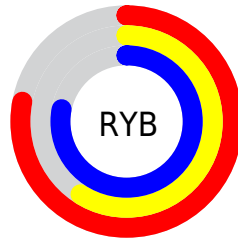
The Yxy color **38.3525, 0.3164, 0.2708** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.6911, 0.3089, 0.3950**, and the grayscale version is **40.4986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6226, 0.3150, 0.2811**, and **17.0573, 0.3162, 0.2557** is the 20% darker color. If you saturate the color by 10%, you get **32.4611, 0.3180, 0.2468**, and if you desaturate by 10%, it is **45.3284, 0.3148, 0.2952**.

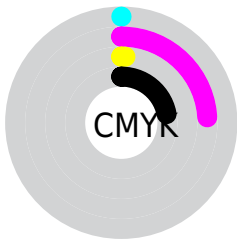
Distribution



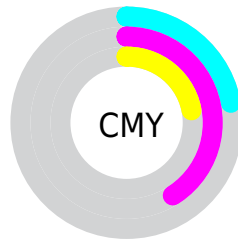
- Red (78%)
- Green (59%)
- Blue (78%)



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



- Cyan (0%)
- Magenta (24%)
- Yellow (1%)
- Black (22%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3525, 0.3164, 0.2708 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 38.3525, 0.3164, 0.2708 by changing the saturation by 10% instead.


 38.3525, 0.3164,
0.2708


 38.3525, 0.3164,
0.2708


339.1297, 0.3151,
0.2995

 26.2564, 0.3166,
0.2638


 72.6481, 0.3160,
0.2811

 17.0155, 0.3167,
0.2549


 95.6164, 0.3159,
0.2850

 10.2456, 0.3167,
0.2433


122.9775, 0.3157,
0.2883

 5.5621, 0.3165,
0.2274

155.1159, 0.3155,
0.2912

 2.5807, 0.3154,
0.2045

192.4159, 0.3154,
0.2936

 0.9170, 0.3121,
0.1692

235.2619, 0.3153,

 0.0000, 0.3109,

0.2958

0.0000

284.0384, 0.3152,
0.2977

0.0000, 0.0000,
0.0000

38.3525, 0.3164,
0.2708

38.3525, 0.3164,
0.2708

32.4611, 0.3180,
0.2468

45.3284, 0.3148,
0.2952

27.5948, 0.3196,
0.2241

53.4341, 0.3133,
0.3193

23.6965, 0.3212,
0.2037

62.7186, 0.3119,
0.3425

20.7012, 0.3226,
0.1864

73.2265, 0.3106,
0.3645

18.5359, 0.3239,
0.1729

85.0000, 0.3094,
0.3849

■ 17.1168, 0.3249,
0.1638

■ 87.8537, 0.3090,
0.3890

■ 16.3418, 0.3258,
0.1587

■ 87.8732, 0.3088,
0.3885

■ 16.0747, 0.3262,
0.1571

■ 87.8927, 0.3085,
0.3880

■ 87.9122, 0.3083,
0.3876

Harmonies

Analogous

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



38.3525, 0.2721, 0.2560



38.3525, 0.3164, 0.2708



38.3525, 0.3628, 0.2985

Triad

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



38.3525, 0.3164, 0.2708



38.3525, 0.3871, 0.4007



38.3525, 0.2354, 0.3148

Complementary

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



38.3525, 0.3164, 0.2708



49.6911, 0.3089, 0.3950

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.



38.3525, 0.2623, 0.3608



38.3525, 0.3164, 0.2708



38.3525, 0.3496, 0.4130

Square

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



38.3525, 0.3164, 0.2708



38.3525, 0.4050, 0.3708



38.3525, 0.3038, 0.3989



38.3525, 0.2281, 0.2776

Rectangle

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



38.3525, 0.3164, 0.2708



38.3525, 0.3875, 0.3217



38.3525, 0.3038, 0.3989



38.3525, 0.2424, 0.3298

Sweetspot

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



38.3542, 0.3164, 0.2708



89.1114, 0.3137, 0.3122



32.9161, 0.2726, 0.2617



18.8829, 0.3138, 0.3107



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.



38.3542, 0.3164, 0.2708



61.4494, 0.3173, 0.2580



37.3410, 0.3389, 0.2993



10.8127, 0.3141, 0.3067



10.3389, 0.3261, 0.1570



0.4908, 0.3250, 0.1564

Inverse Universe

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



38.3542, 0.3164, 0.2708



61.4494, 0.3173, 0.2580



50.5506, 0.2926, 0.3608



10.8127, 0.3141, 0.3067



10.3389, 0.3261, 0.1570



0.4908, 0.3250, 0.1564

Previews

White Background



This preview shows how the Yxy color 38.3525, 0.3164, 0.2708 looks on a white background.

Color Contrast Check

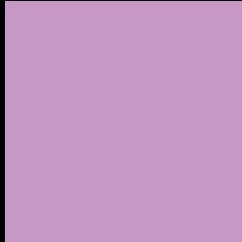
Large Text (above 18pt) WCAG AA × Fail

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 38.3525, 0.3164, 0.2708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

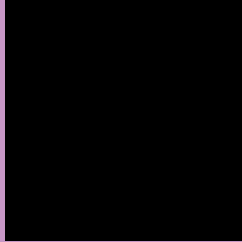
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3525, 0.3164, 0.2708

Background



This preview shows how black text looks on a background with the Yxy color 38.3525, 0.3164, 0.2708.



This preview shows how white text looks on a background with the Yxy color 38.3525, 0.3164, 0.2708.

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

38.3525, 0.3164, 0.2708

Protanopia

38.6324, 0.2720, 0.2712

Deuteranopia

38.6149, 0.2906, 0.2847



Tritanopia

38.2436, 0.3392, 0.3121

Trichromacy



Original Color

38.3525, 0.3164, 0.2708

Protanomaly

38.2719, 0.2868, 0.2712

Deuteranomaly

38.5308, 0.2995, 0.2794

Tritanomaly

38.1423, 0.3299, 0.2957

Monochromacy



Original Color

38.3525, 0.3164, 0.2708

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

39.7109, 0.3138, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3525, 0.3164, 0.2708 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, 151, 198)` looks like.

```
.text, #text, p{  
    color:rgb(199, 151, 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(199, 151, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 151, 198) }
```

Border

The CSS property to change the border of an element to Yxy 38.3525, 0.3164, 0.2708 is called "border". The border property can be set on classes, ids or directly on the HTML element.

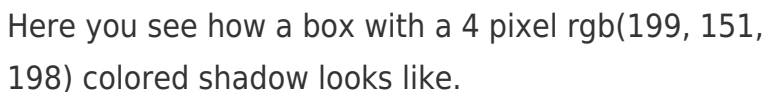
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 151, 198) }
```

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

```
.border{ border-color:rgb(199, 151, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(199, 151, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 151, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 151, 198); box-shadow:4px 4px 4px 4px rgb(199, 151, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3525, 0.3164, 0.2708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 151, 198) }
```

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

```
.background{ background-color: rgb(199,  
151, 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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