

Converting Colors

$Y_{xy}(35.7699, 0.3142, 0.2427)$

Have a look what the booklet for
Yxy(35.7699, 0.3142, 0.2427)
contains.

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Color

Yxy(35.8099, 0.3138, 0.2427)

Conversions

Conversions Part 1

Format	Color
Hex	CF89D2
RGB	207, 137, 210
RGB Percent	81%, 54%, 82%
CMY	0.1884, 0.4626, 0.1765
CMYK	0.01, 0.35, 0.00, 0.18
HSL	298°, 45%, 68%
HSV	298°, 35%, 82%
XYZ	46.3006, 35.8099, 65.4375
YIQ	166.2520, 18.2870, 37.5430

Conversions

Conversions Part 2

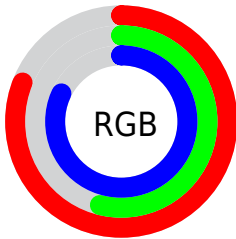
Format	Color
R _{YB}	207, 137, 210
Decimal	13601234
CIE Lab	66.37, 38.35, -26.75
CIE LCh	66, 46.764, 325.102
Yxy	35.8099, 0.3138, 0.2427
Android (android.graphics.Color)	4291791314 (0xFFCF89D2)
YUV	166.2520, 21.5678, 35.7360
Hunter-Lab	59.8414, 33.3869, -22.9456

Details

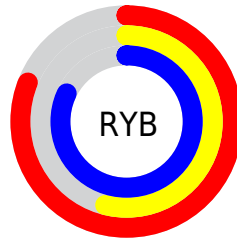
The Yxy color $35.8099, 0.3138, 0.2427$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $53.4761, 0.3100, 0.4318$, and the grayscale version is $38.1495, 0.3127, 0.3290$.

A 20% lighter version of the original color is $65.7416, 0.3157, 0.2663$, and $15.4429, 0.3123, 0.2200$ is the 20% darker color. If you saturate the color by 10%, you get $30.2843, 0.3138, 0.2192$, and if you desaturate by 10%, it is $42.5012, 0.3136, 0.2675$.

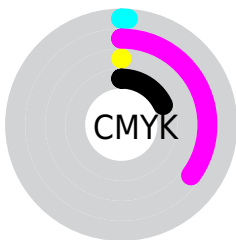
Distribution



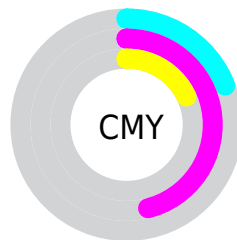
- Red (81%)
- Green (54%)
- Blue (82%)



- Red (81%)
- Yellow (54%)
- Blue (82%)



- Cyan (1%)
- Magenta (35%)
- Yellow (0%)
- Black (18%)





- Cyan (19%)
- Magenta (46%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8099, 0.3138, 0.2427 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 35.8099, 0.3138, 0.2427 by changing the saturation by 10% instead.

 35.8099, 0.3138,
0.2427


 35.8099, 0.3138,
0.2427


328.1289, 0.3144,
0.2845

 24.2874, 0.3133,
0.2328


 68.7386, 0.3143,
0.2575

 15.5470, 0.3125,
0.2203


 90.9135, 0.3144,
0.2632

 9.2041, 0.3110,
0.2043


 117.4081, 0.3145,
0.2680

 4.8746, 0.3084,
0.1831

148.6066, 0.3145,
0.2722

 2.1739, 0.3032,
0.1540

184.8936, 0.3145,
0.2759

 0.7057, 0.2927,
0.1109

226.6534, 0.3145,

 0.0000, 0.2682,

0.2791

0.0000

274.2703, 0.3145,
0.2819

0.0000, 0.0000,
0.0000

35.8099, 0.3138,
0.2427

35.8099, 0.3138,
0.2427

30.2843, 0.3138,
0.2192

42.5012, 0.3136,
0.2675

25.8520, 0.3136,
0.1979

50.4157, 0.3133,
0.2927

22.4399, 0.3132,
0.1799

59.6126, 0.3129,
0.3175

19.9640, 0.3127,
0.1657

70.1463, 0.3125,
0.3414

18.3271, 0.3119,
0.1559

82.0675, 0.3119,
0.3639

■ 17.4105, 0.3110,
0.1503

■ 90.1986, 0.3118,
0.3770

■ 17.1066, 0.3105,
0.1484

■ 90.3288, 0.3124,
0.3769

■ 90.4597, 0.3129,
0.3769

■ 90.5914, 0.3134,
0.3768

Harmonies

Analogous

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



35.8099, 0.2486, 0.2222



35.8099, 0.3138, 0.2427



35.8099, 0.3866, 0.2810

Triad

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



35.8099, 0.3138, 0.2427



35.8099, 0.4249, 0.4323



35.8099, 0.1991, 0.3066

Complementary

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



35.8099, 0.3138, 0.2427



53.4761, 0.3100, 0.4318

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.



35.8099, 0.2376, 0.3813



35.8099, 0.3138, 0.2427



35.8099, 0.3675, 0.4595

Square

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



35.8099, 0.3138, 0.2427



35.8099, 0.4536, 0.3838



35.8099, 0.2989, 0.4431



35.8099, 0.1887, 0.2511

Rectangle

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



35.8099, 0.3138, 0.2427



35.8099, 0.4263, 0.3132



35.8099, 0.2989, 0.4431



35.8099, 0.2089, 0.3305

Sweetspot

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



35.8115, 0.3138, 0.2427



84.5953, 0.3132, 0.3043



28.9280, 0.2509, 0.2310



17.6795, 0.3132, 0.3008



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.



35.8115, 0.3138, 0.2427



48.7940, 0.3138, 0.2244



34.7803, 0.3496, 0.2797



11.9830, 0.3131, 0.3061



10.4472, 0.3106, 0.1485



0.5921, 0.3126, 0.1496

Inverse Universe

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



33.4949, 0.3912, 0.3254



44.6870, 0.4178, 0.3246



54.3062, 0.2876, 0.3846



11.8161, 0.3284, 0.3281



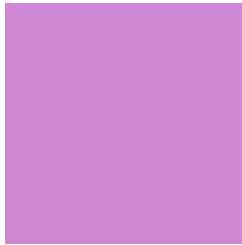
8.3731, 0.6352, 0.3273



0.4710, 0.6195, 0.3187

Previews

White Background



This preview shows how the Yxy color 35.8099, 0.3138, 0.2427 looks on a white background.

Color Contrast Check

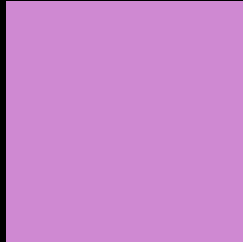
Large Text (above 18pt) WCAG AA × Fail

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 35.8099, 0.3138, 0.2427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

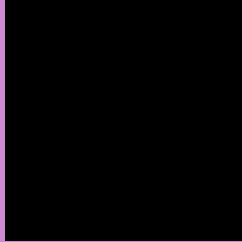
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8099, 0.3138, 0.2427

Background



This preview shows how black text looks on a background with the Yxy color 35.8099, 0.3138, 0.2427.



This preview shows how white text looks on a background with the Yxy color 35.8099, 0.3138, 0.2427.

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

35.8099, 0.3138, 0.2427

Protanopia

36.0050, 0.2468, 0.2386

Deuteranopia

36.1225, 0.2703, 0.2648



Tritanopia

35.6500, 0.3563, 0.3135

Trichromacy



Original Color

35.8099, 0.3138, 0.2427



Protanomaly

35.3530, 0.2676, 0.2387



Deuteranomaly

35.5224, 0.2849, 0.2558



Tritanomaly

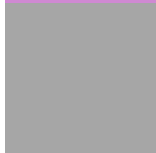
35.5558, 0.3405, 0.2849

Monochromacy



Original Color

35.8099, 0.3138, 0.2427



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

36.6438, 0.3134, 0.2929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8099, 0.3138, 0.2427 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(207, 137, 210)` looks like.

```
.text, #text, p{  
    color:rgb(207, 137, 210)  
}
```

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(207, 137, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 137, 210) }
```

Border

The CSS property to change the border of an element to Yxy 35.8099, 0.3138, 0.2427 is called "border". The border property can be set on classes, ids or directly on the HTML element.

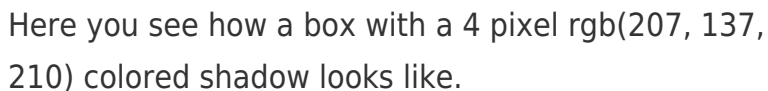
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 137, 210) }
```

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

```
.border{ border-color:rgb(207, 137, 210) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 137, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(207, 137, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(207, 137, 210); box-shadow:4px 4px 4px 4px rgb(207, 137, 210) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8099, 0.3138, 0.2427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 137, 210) }
```

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

```
.background{ background-color: rgb(207,  
137, 210) }
```

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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