

Converting Colors

$Y_{xy}(35.7558, 0.3018, 0.2576)$

Have a look what the booklet for
Yxy(35.7558, 0.3018, 0.2576)
contains.

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Color

Yxy(35.8706, 0.3017, 0.2580)

Conversions

Conversions Part 1

Format	Color
Hex	BC93CB
RGB	188, 147, 203
RGB Percent	74%, 58%, 80%
CMY	0.2629, 0.4235, 0.2039
CMYK	0.07, 0.28, 0.00, 0.20
HSL	284°, 35%, 69%
HSV	284°, 28%, 80%
XYZ	41.9464, 35.8706, 61.2164
YIQ	165.6430, 6.4600, 26.1080

Conversions

Conversions Part 2

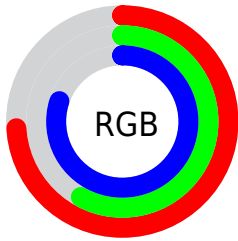
Format	Color
RYB	188, 147, 203
Decimal	12358603
CIELab	66.42, 25.41, -22.96
CIELCh	66, 34.252, 317.898
Yxy	35.8706, 0.3017, 0.2580
Android (android.graphics.Color)	4290548683 (0xFFBC93CB)
YUV	165.6430, 18.4170, 19.6071
Hunter-Lab	59.8921, 20.2042, -18.6765

Details

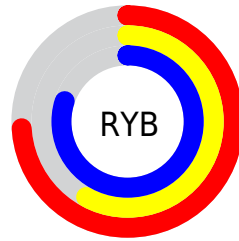
The Yxy color **35.8706, 0.3017, 0.2580** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.5095, 0.3205, 0.4052**, and the grayscale version is **37.8592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4058, 0.3079, 0.2750**, and **15.6040, 0.2969, 0.2384** is the 20% darker color. If you saturate the color by 10%, you get **29.4255, 0.2964, 0.2310**, and if you desaturate by 10%, it is **43.4590, 0.3063, 0.2847**.

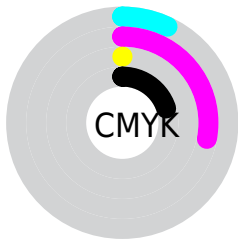
Distribution



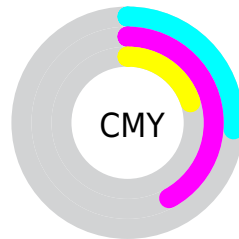
- Red (74%)
- Green (58%)
- Blue (80%)



- Red (74%)
- Yellow (58%)
- Blue (80%)



- Cyan (7%)
- Magenta (28%)
- Yellow (0%)
- Black (20%)




- Cyan (26%)
- Magenta (42%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8706, 0.3017, 0.2580 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 35.8706, 0.3017, 0.2580 by changing the saturation by 10% instead.


 35.8706, 0.3017,
0.2580


 35.8706, 0.3017,
0.2580


328.3946, 0.3081,
0.2930

 24.3343, 0.2998,
0.2494


 68.8323, 0.3042,
0.2706

 15.5818, 0.2973,
0.2386


 91.0265, 0.3051,
0.2754

 9.2287, 0.2937,
0.2244


117.5420, 0.3058,
0.2794

 4.8907, 0.2881,
0.2051

148.7634, 0.3064,
0.2829

 2.1832, 0.2789,
0.1777

185.0749, 0.3069,
0.2859

 0.7108, 0.2620,
0.1347

226.8610, 0.3074,

 0.0000, 0.1701,

0.2886

0.0000

274.5061, 0.3078,
0.2909

0.0000, 0.0000,
0.0000

35.8706, 0.3017,
0.2580

35.8706, 0.3017,
0.2580

29.4255, 0.2964,
0.2310

43.4590, 0.3063,
0.2847

24.0603, 0.2903,
0.2047

52.2407, 0.3102,
0.3104

19.7124, 0.2837,
0.1801

62.2682, 0.3134,
0.3347

16.3105, 0.2766,
0.1585

73.5895, 0.3161,
0.3573

13.7743, 0.2694,
0.1407

86.2500, 0.3182,
0.3780

■ 12.0095, 0.2621,
0.1275

■ 91.1551, 0.3211,
0.3838

■ 10.8832, 0.2551,
0.1188

■ 92.0234, 0.3246,
0.3832

■ 10.6523, 0.2534,
0.1170

■ 92.9199, 0.3281,
0.3826

■ 93.8446, 0.3317,
0.3820

Harmonies

Analogous

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



35.8706, 0.2555, 0.2463



35.8706, 0.3017, 0.2580



35.8706, 0.3550, 0.2851

Triad

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



35.8706, 0.3017, 0.2580



35.8706, 0.4044, 0.4007



35.8706, 0.2326, 0.3267

Complementary

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



35.8706, 0.3017, 0.2580



52.5095, 0.3205, 0.4052

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.



35.8706, 0.2677, 0.3790



35.8706, 0.3017, 0.2580



35.8706, 0.3669, 0.4225

Square

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



35.8706, 0.3017, 0.2580



35.8706, 0.4171, 0.3637



35.8706, 0.3167, 0.4162



35.8706, 0.2184, 0.2808

Rectangle

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



35.8706, 0.3017, 0.2580



35.8706, 0.3864, 0.3092



35.8706, 0.3167, 0.4162



35.8706, 0.2422, 0.3444

Sweetspot

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



35.8721, 0.3017, 0.2580



86.6433, 0.3100, 0.3091



36.6690, 0.2674, 0.2731



18.0406, 0.3095, 0.3053



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.



35.8721, 0.3017, 0.2580



53.5112, 0.2987, 0.2422



37.3265, 0.3272, 0.2747



11.2463, 0.3096, 0.3059



6.8252, 0.2543, 0.1175



0.3881, 0.2679, 0.1249

Inverse Universe

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



36.1810, 0.3562, 0.3098



54.1998, 0.3690, 0.3056



51.4280, 0.3009, 0.3902



11.2623, 0.3249, 0.3228



8.2658, 0.5851, 0.2997



0.4394, 0.5278, 0.2681

Previews

White Background



This preview shows how the Yxy color 35.8706, 0.3017, 0.2580 looks on a white background.

Color Contrast Check

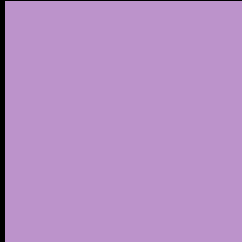
Large Text (above 18pt) WCAG AA × Fail

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 35.8706, 0.3017, 0.2580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

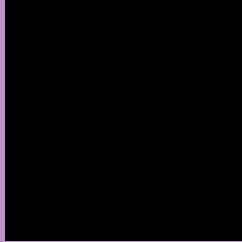
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8706, 0.3017, 0.2580

Background



This preview shows how black text looks on a background with the Yxy color 35.8706, 0.3017, 0.2580.



This preview shows how white text looks on a background with the Yxy color 35.8706, 0.3017, 0.2580.

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

35.8706, 0.3017, 0.2580

Protanopia

36.1910, 0.2615, 0.2581

Deuteranopia

35.8389, 0.2763, 0.2700



Tritanopia

35.8095, 0.3294, 0.3126

Trichromacy



Original Color

35.8706, 0.3017, 0.2580

Protanomaly

35.8327, 0.2750, 0.2571

Deuteranomaly

35.7003, 0.2846, 0.2648

Tritanomaly

35.5782, 0.3194, 0.2916

Monochromacy



Original Color

35.8706, 0.3017, 0.2580

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.0496, 0.3093, 0.3016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8706, 0.3017, 0.2580 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(188, 147, 203)` looks like.

```
.text, #text, p{  
    color:rgb(188, 147, 203)  
}
```

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(188, 147, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 147, 203) }
```

Border

The CSS property to change the border of an element to Yxy 35.8706, 0.3017, 0.2580 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(188, 147, 203) }
```

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

```
.border{ border-color:rgb(188, 147, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 147, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 147, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 147, 203);  
box-shadow:4px 4px 4px 4px rgb(188, 147,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8706, 0.3017, 0.2580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 147, 203) }
```

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

```
.background{ background-color: rgb(188,  
147, 203) }
```

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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