

Converting Colors

$Y_{xy}(35.6040, 0.3011, 0.2581)$

Have a look what the booklet for
Yxy(35.6040, 0.3011, 0.2581)
contains.

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Color

Yxy(35.6965, 0.3017, 0.2589)

Conversions

Conversions Part 1

Format	Color
Hex	BB93CA
RGB	187, 147, 202
RGB Percent	73%, 58%, 79%
CMY	0.2665, 0.4236, 0.2078
CMYK	0.07, 0.27, 0.00, 0.21
HSL	284°, 34%, 68%
HSV	284°, 27%, 79%
XYZ	41.5977, 35.6965, 60.5834
YIQ	165.2300, 6.1850, 25.5850

Conversions

Conversions Part 2

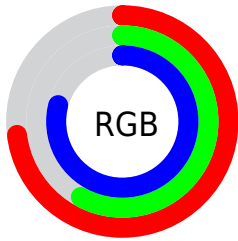
Format	Color
RYB	187, 147, 202
Decimal	12293066
CIELab	66.29, 24.93, -22.62
CIELCh	66, 33.666, 317.778
Yxy	35.6965, 0.3017, 0.2589
Android (android.graphics.Color)	4290483146 (0xFFBB93CA)
YUV	165.2300, 18.1276, 19.0923
Hunter-Lab	59.7465, 19.7216, -18.2979

Details

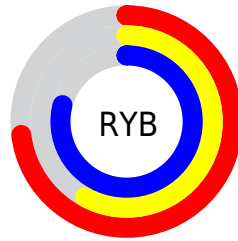
The Yxy color **35.6965, 0.3017, 0.2589** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.0302, 0.3206, 0.4040**, and the grayscale version is **37.6545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2264, 0.3072, 0.2749**, and **15.4904, 0.2968, 0.2395** is the 20% darker color. If you saturate the color by 10%, you get **29.2782, 0.2963, 0.2319**, and if you desaturate by 10%, it is **43.2475, 0.3064, 0.2856**.

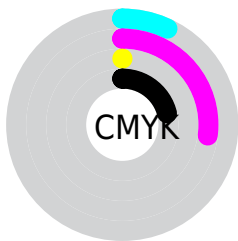
Distribution



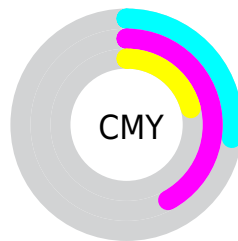
- Red (73%)
- Green (58%)
- Blue (79%)



- Red (73%)
- Yellow (58%)
- Blue (79%)



- Cyan (7%)
- Magenta (27%)
- Yellow (0%)
- Black (21%)




- Cyan (27%)
- Magenta (42%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6965, 0.3017, 0.2589 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 35.6965, 0.3017, 0.2589 by changing the saturation by 10% instead.


 35.6965, 0.3017,
0.2589


 35.6965, 0.3017,
0.2589


327.6321, 0.3081,
0.2936

 24.1999, 0.2998,
0.2504


 68.5634, 0.3042,
0.2714

 15.4820, 0.2973,
0.2397


 90.7024, 0.3051,
0.2761

 9.1583, 0.2937,
0.2256


117.1577, 0.3058,
0.2801

 4.8446, 0.2881,
0.2064

148.3137, 0.3064,
0.2836

 2.1564, 0.2789,
0.1790

184.5547, 0.3069,
0.2865

 0.6961, 0.2621,
0.1354

226.2652, 0.3074,

 0.0000, 0.1600,

0.2892


0.0000


273.8295, 0.3077,
0.2915


 0.0000, 0.0000,
0.0000


 35.6965, 0.3017,
0.2589


 35.6965, 0.3017,
0.2589


 29.2782, 0.2963,
0.2319


 43.2475, 0.3064,
0.2856


 23.9301, 0.2902,
0.2055

 51.9804, 0.3103,
0.3113


 19.5904, 0.2835,
0.1808

 61.9470, 0.3136,
0.3355

 16.1892, 0.2764,
0.1589

 73.1946, 0.3162,
0.3580

 13.6472, 0.2690,
0.1409

 85.7682, 0.3183,
0.3786

■ 11.8720, 0.2617,
0.1275

■ 91.0026, 0.3213,
0.3850

■ 10.7370, 0.2545,
0.1186

■ 91.8741, 0.3248,
0.3844

■ 10.4748, 0.2526,
0.1165

■ 92.7740, 0.3283,
0.3837

■ 93.7027, 0.3319,
0.3831

Harmonies

Analogous

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



35.6965, 0.2562, 0.2474



35.6965, 0.3017, 0.2589



35.6965, 0.3542, 0.2856

Triad

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



35.6965, 0.3017, 0.2589



35.6965, 0.4032, 0.3996



35.6965, 0.2339, 0.3270

Complementary

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



35.6965, 0.3017, 0.2589



52.0302, 0.3206, 0.4040

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.



35.6965, 0.2686, 0.3784



35.6965, 0.3017, 0.2589



35.6965, 0.3664, 0.4210

Square

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



35.6965, 0.3017, 0.2589



35.6965, 0.4155, 0.3631



35.6965, 0.3169, 0.4149



35.6965, 0.2197, 0.2817

Rectangle

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



35.6965, 0.3017, 0.2589



35.6965, 0.3851, 0.3094



35.6965, 0.3169, 0.4149



35.6965, 0.2434, 0.3444

Sweetspot

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



35.6980, 0.3017, 0.2589



86.6308, 0.3100, 0.3091



36.5103, 0.2680, 0.2739



18.0374, 0.3094, 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.



35.6980, 0.3017, 0.2589



53.4641, 0.2984, 0.2421



37.1425, 0.3270, 0.2754



11.2444, 0.3095, 0.3059



6.7853, 0.2535, 0.1170



0.3863, 0.2672, 0.1246

Inverse Universe

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



36.0277, 0.3553, 0.3099



54.2124, 0.3687, 0.3053



50.9494, 0.3011, 0.3893



11.2630, 0.3248, 0.3227



8.2701, 0.5839, 0.2991



0.4396, 0.5268, 0.2675

Previews

White Background



This preview shows how the Yxy color 35.6965, 0.3017, 0.2589 looks on a white background.

Color Contrast Check

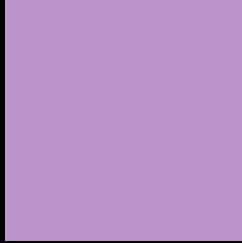
Large Text (above 18pt) WCAG AA × Fail

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 35.6965, 0.3017, 0.2589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

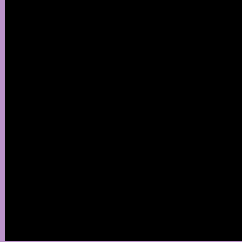
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.6965, 0.3017, 0.2589

Background



This preview shows how black text looks on a background with the Yxy color 35.6965, 0.3017, 0.2589.



This preview shows how white text looks on a background with the Yxy color 35.6965, 0.3017, 0.2589.

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

35.6965, 0.3017, 0.2589

Protanopia

35.7953, 0.2621, 0.2579

Deuteranopia

35.7919, 0.2770, 0.2712



Tritanopia

35.8095, 0.3294, 0.3126

Trichromacy



Original Color

35.6965, 0.3017, 0.2589

Protanomaly

35.6781, 0.2749, 0.2581

Deuteranomaly

35.6531, 0.2854, 0.2660

Tritanomaly

35.5782, 0.3194, 0.2916

Monochromacy



Original Color

35.6965, 0.3017, 0.2589

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.5523, 0.3093, 0.3015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6965, 0.3017, 0.2589 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(187, 147, 202)` looks like.

```
.text, #text, p{  
  color:rgb(187, 147, 202)  
}
```

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(187, 147, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 147, 202) }
```

Border

The CSS property to change the border of an element to Yxy 35.6965, 0.3017, 0.2589 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(187, 147, 202) }
```

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

```
.border{ border-color:rgb(187, 147, 202) }
```

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

Here you see how a box with a 4 pixel rgb(187, 147, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 147, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 147, 202);  
box-shadow:4px 4px 4px 4px rgb(187, 147,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6965, 0.3017, 0.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 147, 202) }
```

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

```
.background{ background-color: rgb(187,  
147, 202) }
```

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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