

Converting Colors

$Y_{xy}(30.3590, 0.2949, 0.2288)$

Have a look what the booklet for
Yxy(30.3590, 0.2949, 0.2288)
contains.

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Color

Yxy(30.3067, 0.2943, 0.2281)

Conversions

Conversions Part 1

Format	Color
Hex	B980D0
RGB	185, 128, 208
RGB Percent	73%, 50%, 82%
CMY	0.2747, 0.4979, 0.1844
CMYK	0.11, 0.38, 0.00, 0.18
HSL	283°, 46%, 66%
HSV	283°, 38%, 82%
XYZ	39.1024, 30.3067, 63.4567
YIQ	154.1630, 8.2920, 36.9640

Conversions

Conversions Part 2

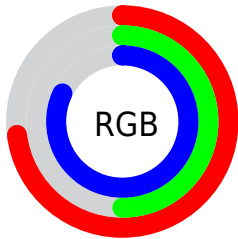
Format	Color
R _{YB}	185, 128, 208
Decimal	12157136
CIE _{Lab}	61.92, 36.02, -32.72
CIE _{LCh}	62, 48.659, 317.749
Yxy	30.3067, 0.2943, 0.2281
Android (android.graphics.Color)	4290347216 (0xFFB980D0)
YUV	154.1630, 26.5416, 27.0440
Hunter-Lab	55.0515, 30.4462, -29.8063

Details

The Yxy color **30.3067, 0.2943, 0.2281** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **53.2518, 0.3239, 0.4397**, and the grayscale version is **32.2691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5531, 0.3060, 0.2553**, and **12.4330, 0.2875, 0.2012** is the 20% darker color. If you saturate the color by 10%, you get **24.6961, 0.2877, 0.2016**, and if you desaturate by 10%, it is **37.0633, 0.3002, 0.2553**.

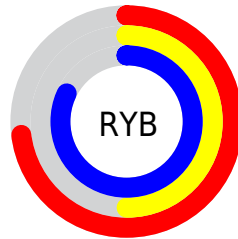
Distribution



Red (73%)

Green (50%)

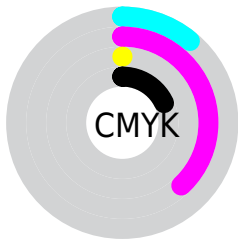
Blue (82%)



Red (73%)

Yellow (50%)

Blue (82%)

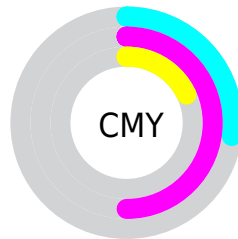


Cyan (11%)

Magenta (38%)

Yellow (0%)

Black (18%)



Cyan (27%)


Magenta (50%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3067, 0.2943, 0.2281 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 30.3067, 0.2943, 0.2281 by changing the saturation by 10% instead.


 30.3067, 0.2943,
0.2281


 30.3067, 0.2943,
0.2281


303.3314, 0.3054,
0.2777

 20.0715, 0.2910,
0.2161


 60.1469, 0.2987,
0.2458

 12.4470, 0.2864,
0.2011


 80.5206, 0.3003,
0.2526

 7.0489, 0.2798,
0.1818


 105.0427, 0.3015,
0.2583

 3.4927, 0.2697,
0.1561

134.0975, 0.3026,
0.2633

 1.3940, 0.2529,
0.1213

168.0693, 0.3034,
0.2676

 0.2123, 0.2291,
0.0441

207.3427, 0.3042,

 0.0000, 0.0208,

0.2714

0.0000

252.3019, 0.3048,
0.2747

0.0000, 0.0000,
0.0000

30.3067, 0.2943,
0.2281

30.3067, 0.2943,
0.2281

24.6961, 0.2877,
0.2016

37.0633, 0.3002,
0.2553

20.1590, 0.2805,
0.1768

45.0252, 0.3053,
0.2823

16.6202, 0.2728,
0.1550

54.2519, 0.3096,
0.3082

13.9933, 0.2649,
0.1373

64.7978, 0.3132,
0.3327

12.1763, 0.2572,
0.1241

76.7142, 0.3162,
0.3554

■ 11.0136, 0.2497,
0.1155

■ 90.0497, 0.3186,
0.3763

■ 10.8561, 0.2486,
0.1143

■ 92.3879, 0.3222,
0.3778

■ 93.3787, 0.3261,
0.3772

■ 94.4038, 0.3300,
0.3767

Harmonies

Analogous

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



30.3067, 0.2287, 0.2114



30.3067, 0.2943, 0.2281



30.3067, 0.3747, 0.2650

Triad

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



30.3067, 0.2943, 0.2281



30.3067, 0.4459, 0.4284



30.3067, 0.1964, 0.3226

Complementary

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



30.3067, 0.2943, 0.2281



53.2518, 0.3239, 0.4397

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.



30.3067, 0.2446, 0.4069



30.3067, 0.2943, 0.2281



30.3067, 0.3886, 0.4682

Square

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



30.3067, 0.2943, 0.2281



30.3067, 0.4682, 0.3727



30.3067, 0.3149, 0.4656



30.3067, 0.1783, 0.2552

Rectangle

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



30.3067, 0.2943, 0.2281



30.3067, 0.4232, 0.2978



30.3067, 0.3149, 0.4656



30.3067, 0.2093, 0.3505

Sweetspot

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



30.3080, 0.2943, 0.2281



80.3728, 0.3081, 0.2988



31.6070, 0.2477, 0.2484



16.7856, 0.3075, 0.2954



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.



30.3080, 0.2943, 0.2281



40.7157, 0.2890, 0.2065



32.6600, 0.3332, 0.2516



11.8309, 0.3092, 0.3058



6.8182, 0.2496, 0.1149



0.4206, 0.2631, 0.1223

Inverse Universe

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



31.0907, 0.3794, 0.3000



42.3101, 0.4009, 0.2940



51.7127, 0.2975, 0.4216



11.8635, 0.3246, 0.3223



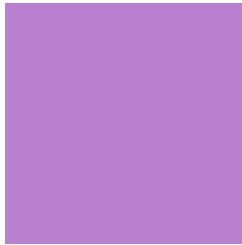
8.5752, 0.5787, 0.2962



0.4933, 0.5255, 0.2668

Previews

White Background



This preview shows how the Yxy color 30.3067, 0.2943, 0.2281 looks on a white background.

Color Contrast Check

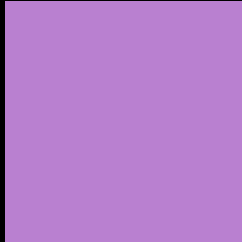
Large Text (above 18pt) WCAG AA × Fail

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 30.3067, 0.2943, 0.2281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

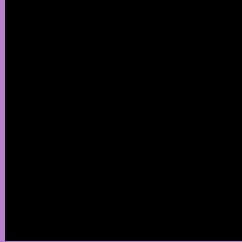
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3067, 0.2943, 0.2281

Background



This preview shows how black text looks on a background with the Yxy color 30.3067, 0.2943, 0.2281.



This preview shows how white text looks on a background with the Yxy color 30.3067, 0.2943, 0.2281.

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

30.3067, 0.2943, 0.2281

Protanopia

30.5343, 0.2343, 0.2221

Deuteranopia

30.6078, 0.2540, 0.2482



Tritanopia

30.2206, 0.3407, 0.3133

Trichromacy



Original Color

30.3067, 0.2943, 0.2281



Protanomaly

29.9291, 0.2526, 0.2231



Deuteranomaly

30.2298, 0.2679, 0.2404



Tritanomaly

30.1706, 0.3225, 0.2793

Monochromacy



Original Color

30.3067, 0.2943, 0.2281



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

31.3061, 0.3056, 0.2874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3067, 0.2943, 0.2281 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(185, 128, 208)` looks like.

```
.text, #text, p{  
    color:rgb(185, 128, 208)  
}
```

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(185, 128, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 128, 208) }
```

Border

The CSS property to change the border of an element to Yxy 30.3067, 0.2943, 0.2281 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(185, 128, 208) }
```

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

```
.border{ border-color:rgb(185, 128, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 128, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 128, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 128, 208);  
box-shadow:4px 4px 4px 4px rgb(185, 128,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3067, 0.2943, 0.2281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 128, 208) }
```

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

```
.background{ background-color: rgb(185,  
128, 208) }
```

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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