

Converting Colors

Yxy(31.4384, 0.2870, 0.2190)

Have a look what the booklet for
Yxy(31.4384, 0.2870, 0.2190)
contains.

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Color

Yxy(31.3798, 0.2868, 0.2188)

Conversions

Conversions Part 1

Format	Color
Hex	BB81DB
RGB	187, 129, 219
RGB Percent	73%, 51%, 86%
CMY	0.2666, 0.4941, 0.1412
CMYK	0.15, 0.41, 0.00, 0.14
HSL	279°, 56%, 68%
HSV	279°, 41%, 86%
XYZ	41.1322, 31.3798, 70.9057
YIQ	156.6020, 5.6780, 40.2860

Conversions

Conversions Part 2

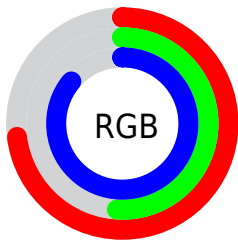
Format	Color
R _Y B	187, 129, 219
Decimal	12288475
CIE Lab	62.83, 38.43, -37.45
CIE LCh	63, 53.654, 315.739
Yxy	31.3798, 0.2868, 0.2188
Android (android.graphics.Color)	4290478555 (0xFFBB81DB)
YUV	156.6020, 30.7622, 26.6590
Hunter-Lab	56.0177, 33.0366, -35.8354

Details

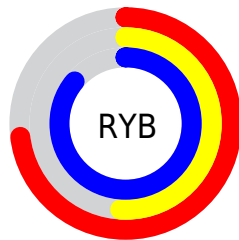
The Yxy color **31.3798, 0.2868, 0.2188** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **59.8227, 0.3287, 0.4471**, and the grayscale version is **33.3876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3201, 0.3076, 0.2566**, and **13.0346, 0.2760, 0.1900** is the 20% darker color. If you saturate the color by 10%, you get **25.2617, 0.2782, 0.1915**, and if you desaturate by 10%, it is **38.7899, 0.2946, 0.2468**.

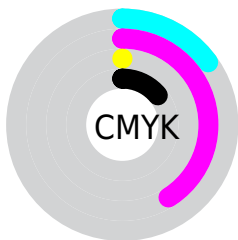
Distribution



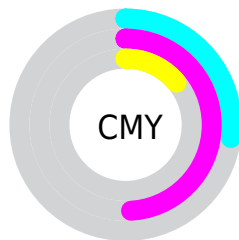
- Red (73%)
- Green (51%)
- Blue (86%)



- Red (73%)
- Yellow (51%)
- Blue (86%)



- Cyan (15%)
- Magenta (41%)
- Yellow (0%)
- Black (14%)



- Cyan (27%)
- Magenta (49%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3798, 0.2868, 0.2188 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 31.3798, 0.2868, 0.2188 by changing the saturation by 10% instead.


 31.3798, 0.2868,
0.2188


 31.3798, 0.2868,
0.2188


308.2843, 0.3018,
0.2721

 20.8882, 0.2825,
0.2062


 61.8375, 0.2927,
0.2377

 13.0423, 0.2766,
0.1906


 82.5725, 0.2948,
0.2449

 7.4577, 0.2684,
0.1708


 107.4907, 0.2965,
0.2511

 3.7500, 0.2562,
0.1450

136.9765, 0.2979,
0.2565

 1.5347, 0.2369,
0.1111

171.4144, 0.2991,
0.2611

 0.3130, 0.2076,
0.0500

211.1887, 0.3002,

 0.0000, 0.0844,

0.2652

0.0000

256.6839, 0.3011,
0.2689

0.0000, 0.0000,
0.0000

31.3798, 0.2868,
0.2188

31.3798, 0.2868,
0.2188

25.2617, 0.2782,
0.1915

38.7899, 0.2946,
0.2468

20.3512, 0.2689,
0.1661

47.5617, 0.3014,
0.2746

16.5597, 0.2593,
0.1440


57.7642, 0.3073,
0.3013

13.7844, 0.2496,
0.1261

69.4608, 0.3122,
0.3264


11.9027, 0.2402,
0.1132

82.7107, 0.3164,
0.3496

 10.7924, 0.2323,
0.1054

 94.0779, 0.3202,
0.3656

 95.4221, 0.3252,
0.3651

 96.8249, 0.3302,
0.3645

 97.8944, 0.3339,
0.3641

Harmonies

Analogous

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



31.3798, 0.2182, 0.2025



31.3798, 0.2868, 0.2188



31.3798, 0.3740, 0.2567

Triad

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



31.3798, 0.2868, 0.2188



31.3798, 0.4590, 0.4307



31.3798, 0.1896, 0.3271

Complementary

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



31.3798, 0.2868, 0.2188



59.8227, 0.3287, 0.4471

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.



31.3798, 0.2428, 0.4204



31.3798, 0.2868, 0.2188



31.3798, 0.3982, 0.4778

Square

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



31.3798, 0.2868, 0.2188



31.3798, 0.4813, 0.3700



31.3798, 0.3192, 0.4814



31.3798, 0.1688, 0.2520

Rectangle

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



31.3798, 0.2868, 0.2188



31.3798, 0.4284, 0.2909



31.3798, 0.3192, 0.4814



31.3798, 0.2038, 0.3582

Sweetspot

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



31.3811, 0.2868, 0.2188



80.0022, 0.3067, 0.2986



35.6214, 0.2440, 0.2501



16.6981, 0.3060, 0.2952



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.



31.3811, 0.2868, 0.2188



36.9879, 0.2797, 0.1960



35.2648, 0.3290, 0.2401



13.0314, 0.3082, 0.3056



6.4629, 0.2336, 0.1061



0.4663, 0.2480, 0.1140

Inverse Universe

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



33.3324, 0.3793, 0.2907



40.3123, 0.4000, 0.2833



57.2526, 0.3000, 0.4383



13.1276, 0.3236, 0.3207



9.2736, 0.5545, 0.2828



0.6169, 0.5092, 0.2579

Previews

White Background



This preview shows how the Yxy color 31.3798, 0.2868, 0.2188 looks on a white background.

Color Contrast Check

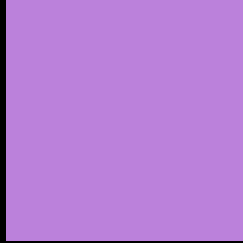
Large Text (above 18pt) WCAG AA × Fail

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 31.3798, 0.2868, 0.2188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

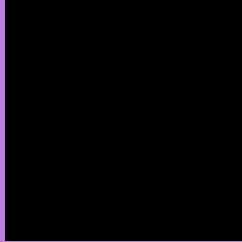
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3798, 0.2868, 0.2188

Background



This preview shows how black text looks on a background with the Yxy color 31.3798, 0.2868, 0.2188.



This preview shows how white text looks on a background with the Yxy color 31.3798, 0.2868, 0.2188.

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

31.3798, 0.2868, 0.2188

Protanopia

31.6160, 0.2266, 0.2121

Deuteranopia

31.7853, 0.2446, 0.2389



Tritanopia

31.3251, 0.3380, 0.3134

Trichromacy



Original Color

31.3798, 0.2868, 0.2188



Protanomaly

31.0789, 0.2446, 0.2133



Deuteranomaly

31.1821, 0.2585, 0.2305



Tritanomaly

31.2151, 0.3184, 0.2747

Monochromacy



Original Color

31.3798, 0.2868, 0.2188



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

32.4876, 0.3030, 0.2827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3798, 0.2868, 0.2188 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, 129, 219)` looks like.

```
.text, #text, p{  
    color:rgb(187, 129, 219)  
}
```

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, 129, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 129, 219) }
```

Border

The CSS property to change the border of an element to Yxy 31.3798, 0.2868, 0.2188 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, 129, 219) }
```

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

```
.border{ border-color:rgb(187, 129, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 129, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 129, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 129, 219);  
box-shadow:4px 4px 4px 4px rgb(187, 129,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3798, 0.2868, 0.2188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 129, 219) }
```

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

```
.background{ background-color: rgb(187,  
129, 219) }
```

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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