

Converting Colors

$Y_{xy}(31.2331, 0.2928, 0.2347)$

Have a look what the booklet for
Yxy(31.2331, 0.2928, 0.2347)
contains.

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Color

Yxy(31.2251, 0.2924, 0.2345)

Conversions

Conversions Part 1

Format	Color
Hex	B685CF
RGB	182, 133, 207
RGB Percent	71%, 52%, 81%
CMY	0.2864, 0.4784, 0.1883
CMYK	0.12, 0.36, 0.00, 0.19
HSL	280°, 44%, 67%
HSV	280°, 36%, 81%
XYZ	38.9348, 31.2251, 62.9961
YIQ	156.0870, 5.4500, 33.4020

Conversions

Conversions Part 2

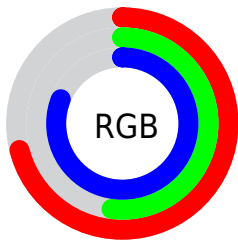
Format	Color
RYB	182, 133, 207
Decimal	11961807
CIELab	62.70, 32.13, -30.97
CIELCh	63, 44.623, 316.051
Yxy	31.2251, 0.2924, 0.2345
Android (android.graphics.Color)	4290151887 (0xFFB685CF)
YUV	156.0870, 25.1001, 22.7257
Hunter-Lab	55.8794, 26.5836, -27.7255

Details

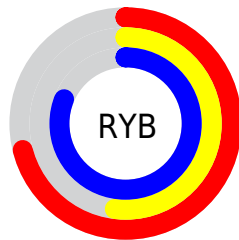
The Yxy color **31.2251, 0.2924, 0.2345** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.5844, 0.3262, 0.4299**, and the grayscale version is **33.1709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1114, 0.3037, 0.2599**, and **12.8908, 0.2848, 0.2088** is the 20% darker color. If you saturate the color by 10%, you get **25.2745, 0.2847, 0.2070**, and if you desaturate by 10%, it is **38.3377, 0.2992, 0.2622**.

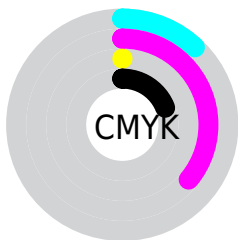
Distribution



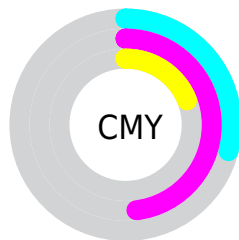
- Red (71%)
- Green (52%)
- Blue (81%)



- Red (71%)
- Yellow (52%)
- Blue (81%)



- Cyan (12%)
- Magenta (36%)
- Yellow (0%)
- Black (19%)





- Cyan (29%)
- Magenta (48%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2251, 0.2924, 0.2345 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 31.2251, 0.2924, 0.2345 by changing the saturation by 10% instead.


 31.2251, 0.2924,
0.2345


 31.2251, 0.2924,
0.2345


307.5740, 0.3042,
0.2811


 20.7703, 0.2890,
0.2232

 61.5943, 0.2971,
0.2512

 12.9562, 0.2843,
0.2089


 82.2775, 0.2987,
0.2576

 7.3984, 0.2776,
0.1905


 107.1390, 0.3000,
0.2630

 3.7125, 0.2674,
0.1658

136.5631, 0.3012,
0.2676

 1.5141, 0.2507,
0.1319

170.9343, 0.3021,
0.2717

 0.2986, 0.2257,
0.0619

210.6369, 0.3029,

 0.0000, 0.0118,

0.2752

0.0000

256.0553, 0.3036,
0.2783

0.0000, 0.0000,
0.0000

31.2251, 0.2924,
0.2345

31.2251, 0.2924,
0.2345

25.2745, 0.2847,
0.2070

38.3377, 0.2992,
0.2622

20.4154, 0.2763,
0.1808

46.6694, 0.3052,
0.2893

16.5756, 0.2673,
0.1571


56.2783, 0.3102,
0.3150

13.6725, 0.2581,
0.1371


67.2175, 0.3144,
0.3390

11.6100, 0.2490,
0.1217


79.5372, 0.3179,
0.3612


 10.2695, 0.2402,
0.1113

 91.8665, 0.3209,
0.3792

 9.8220, 0.2366,
0.1077

 93.0078, 0.3254,
0.3785

 94.1956, 0.3300,
0.3778

 95.4306, 0.3345,
0.3771

Harmonies

Analogous

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



31.2251, 0.2330, 0.2203



31.2251, 0.2924, 0.2345



31.2251, 0.3652, 0.2680

Triad

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



31.2251, 0.2924, 0.2345



31.2251, 0.4372, 0.4189



31.2251, 0.2079, 0.3282

Complementary

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



31.2251, 0.2924, 0.2345



53.5844, 0.3262, 0.4299

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.



31.2251, 0.2543, 0.4031



31.2251, 0.2924, 0.2345



31.2251, 0.3868, 0.4548

Square

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



31.2251, 0.2924, 0.2345



31.2251, 0.4543, 0.3677



31.2251, 0.3197, 0.4534



31.2251, 0.1890, 0.2650

Rectangle

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



31.2251, 0.2924, 0.2345



31.2251, 0.4098, 0.2982



31.2251, 0.3197, 0.4534



31.2251, 0.2205, 0.3533

Sweetspot

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



31.2264, 0.2924, 0.2345



81.6360, 0.3076, 0.3013



34.2567, 0.2535, 0.2606



17.0278, 0.3069, 0.2977



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.



31.2264, 0.2924, 0.2345



42.4713, 0.2865, 0.2130



34.0240, 0.3277, 0.2530



11.8006, 0.3084, 0.3057



6.2432, 0.2378, 0.1084



0.3918, 0.2533, 0.1169

Inverse Universe

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



32.5132, 0.3686, 0.2974



45.0131, 0.3866, 0.2905



51.6234, 0.3008, 0.4194



11.8733, 0.3238, 0.3212



8.6523, 0.5605, 0.2862



0.4985, 0.5086, 0.2575

Previews

White Background



This preview shows how the Yxy color 31.2251, 0.2924, 0.2345 looks on a white background.

Color Contrast Check

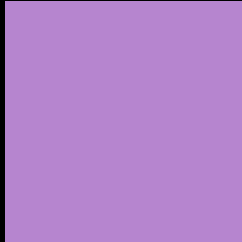
Large Text (above 18pt) WCAG AA × Fail

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 31.2251, 0.2924, 0.2345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

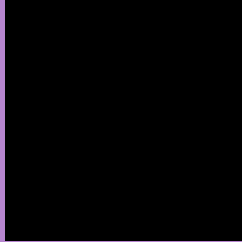
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2251, 0.2924, 0.2345

Background



This preview shows how black text looks on a background with the Yxy color 31.2251, 0.2924, 0.2345.



This preview shows how white text looks on a background with the Yxy color 31.2251, 0.2924, 0.2345.

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

31.2251, 0.2924, 0.2345

Protanopia

31.6471, 0.2407, 0.2317

Deuteranopia

31.5756, 0.2575, 0.2518



Tritanopia

31.3117, 0.3336, 0.3133

Trichromacy



Original Color

31.2251, 0.2924, 0.2345

Protanomaly

31.1487, 0.2569, 0.2323

Deuteranomaly

31.2243, 0.2691, 0.2449

Tritanomaly

31.1593, 0.3181, 0.2819

Monochromacy



Original Color

31.2251, 0.2924, 0.2345

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.2743, 0.3046, 0.2904

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2251, 0.2924, 0.2345 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(182, 133, 207)` looks like.

```
.text, #text, p{  
    color:rgb(182, 133, 207)  
}
```

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(182, 133, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 133, 207) }
```

Border

The CSS property to change the border of an element to Yxy 31.2251, 0.2924, 0.2345 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(182, 133, 207) }
```

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

```
.border{ border-color:rgb(182, 133, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 133, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 133, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 133, 207);  
box-shadow:4px 4px 4px 4px rgb(182, 133,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2251, 0.2924, 0.2345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 133, 207) }
```

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

```
.background{ background-color: rgb(182,  
133, 207) }
```

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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