

Converting Colors

$Y_{xy}(31.2076, 0.2981, 0.2399)$

Have a look what the booklet for
Yxy(31.2076, 0.2981, 0.2399)
contains.

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Color

Yxy(31.2297, 0.2988, 0.2404)

Conversions

Conversions Part 1

Format	Color
Hex	B885CA
RGB	184, 133, 202
RGB Percent	72%, 52%, 79%
CMY	0.2784, 0.4784, 0.2078
CMYK	0.09, 0.34, 0.00, 0.21
HSL	284°, 39%, 66%
HSV	284°, 34%, 79%
XYZ	38.8163, 31.2297, 59.8613
YIQ	156.1150, 8.2470, 32.2710

Conversions

Conversions Part 2

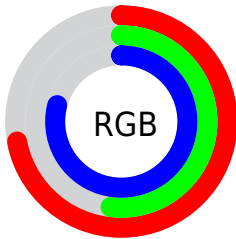
Format	Color
RYB	184, 133, 202
Decimal	12092874
CIELab	62.70, 31.73, -28.15
CIELCh	63, 42.419, 318.423
Yxy	31.2297, 0.2988, 0.2404
Android (android.graphics.Color)	4290282954 (0xFFB885CA)
YUV	156.1150, 22.6213, 24.4551
Hunter-Lab	55.8835, 26.1886, -24.3917

Details

The Yxy color **31.2297, 0.2988, 0.2404** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.5159, 0.3215, 0.4261**, and the grayscale version is **33.1950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4614, 0.3052, 0.2602**, and **12.9185, 0.2925, 0.2151** is the 20% darker color. If you saturate the color by 10%, you get **25.5827, 0.2932, 0.2139**, and if you desaturate by 10%, it is **37.9672, 0.3037, 0.2673**.

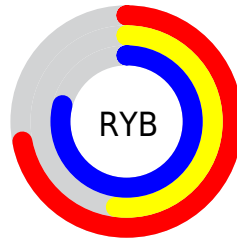
Distribution



Red (72%)

Green (52%)

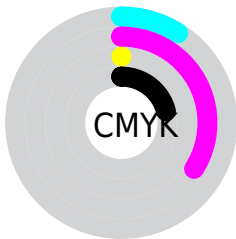
Blue (79%)



Red (72%)

Yellow (52%)

Blue (79%)

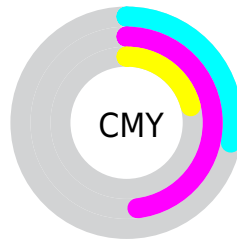


Cyan (9%)

Magenta (34%)

Yellow (0%)

Black (21%)



Cyan (28%)


Magenta (48%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2297, 0.2988, 0.2404 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 31.2297, 0.2988, 0.2404 by changing the saturation by 10% instead.


 31.2297, 0.2988,
0.2404


 31.2297, 0.2988,
0.2404


307.5951, 0.3072,
0.2843


 20.7738, 0.2963,
0.2297


 61.6015, 0.3022,
0.2562

 12.9588, 0.2927,
0.2161


 82.2863, 0.3034,
0.2622

 7.4002, 0.2876,
0.1983


 107.1494, 0.3043,
0.2673

 3.7136, 0.2796,
0.1744

136.5754, 0.3051,
0.2717

 1.5147, 0.2659,
0.1410

170.9485, 0.3058,
0.2755

 0.2990, 0.2464,
0.0683

210.6533, 0.3063,

 0.0000, 0.0060,

0.2788

0.0000


256.0740, 0.3068,
0.2817


 0.0000, 0.0000,
0.0000

 31.2297, 0.2988,
0.2404

 31.2297, 0.2988,
0.2404


 25.5827, 0.2932,
0.2139


 37.9672, 0.3037,
0.2673


 20.9608, 0.2870,
0.1887


 45.8477, 0.3079,
0.2937

 17.2977, 0.2803,
0.1660


 54.9252, 0.3114,
0.3189


 14.5173, 0.2733,
0.1470


 65.2490, 0.3143,
0.3426


 12.5320, 0.2662,
0.1323

 76.8656, 0.3167,
0.3646

 11.2356, 0.2593,
0.1223

 89.8191, 0.3185,
0.3847

 10.6834, 0.2553,
0.1180

 91.1393, 0.3218,
0.3849

 91.9789, 0.3252,
0.3843

 92.8447, 0.3286,
0.3837

Harmonies

Analogous

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



31.2297, 0.2404, 0.2252



31.2297, 0.2988, 0.2404



31.2297, 0.3682, 0.2739

Triad

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



31.2297, 0.2988, 0.2404



31.2297, 0.4289, 0.4189



31.2297, 0.2102, 0.3231

Complementary

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



31.2297, 0.2988, 0.2404



50.5159, 0.3215, 0.4261

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.



31.2297, 0.2530, 0.3939



31.2297, 0.2988, 0.2404



31.2297, 0.3792, 0.4502

Square

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



31.2297, 0.2988, 0.2404



31.2297, 0.4476, 0.3708



31.2297, 0.3146, 0.4445



31.2297, 0.1940, 0.2647

Rectangle

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



31.2297, 0.2988, 0.2404



31.2297, 0.4093, 0.3035



31.2297, 0.3146, 0.4445



31.2297, 0.2217, 0.3466

Sweetspot

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



31.2310, 0.2988, 0.2404



83.5559, 0.3094, 0.3040



31.5142, 0.2552, 0.2556



17.4265, 0.3089, 0.3004



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.



31.2310, 0.2988, 0.2404



45.6262, 0.2947, 0.2207



32.8738, 0.3327, 0.2629



11.2508, 0.3097, 0.3059



6.9192, 0.2562, 0.1185



0.3923, 0.2694, 0.1258

Inverse Universe

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



31.5671, 0.3713, 0.3057



46.4198, 0.3901, 0.3006



49.4029, 0.2976, 0.4058



11.2609, 0.3250, 0.3230



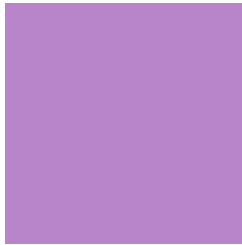
8.2562, 0.5876, 0.3011



0.4387, 0.5304, 0.2695

Previews

White Background



This preview shows how the Yxy color 31.2297, 0.2988, 0.2404 looks on a white background.

Color Contrast Check

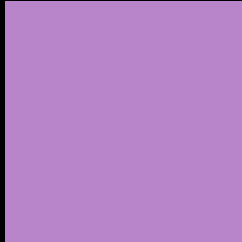
Large Text (above 18pt) WCAG AA × Fail

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 31.2297, 0.2988, 0.2404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

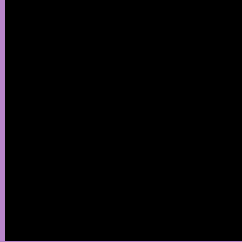
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2297, 0.2988, 0.2404

Background



This preview shows how black text looks on a background with the Yxy color 31.2297, 0.2988, 0.2404.



This preview shows how white text looks on a background with the Yxy color 31.2297, 0.2988, 0.2404.

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

31.2297, 0.2988, 0.2404

Protanopia

31.6245, 0.2458, 0.2378

Deuteranopia

31.2811, 0.2633, 0.2570



Tritanopia

31.3251, 0.3380, 0.3134

Trichromacy



Original Color

31.2297, 0.2988, 0.2404

Protanomaly

31.1790, 0.2629, 0.2385

Deuteranomaly

30.9832, 0.2755, 0.2499

Tritanomaly

31.1088, 0.3243, 0.2849

Monochromacy



Original Color

31.2297, 0.2988, 0.2404

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.3039, 0.3074, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2297, 0.2988, 0.2404 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(184, 133, 202)` looks like.

```
.text, #text, p{  
    color:rgb(184, 133, 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(184, 133, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 133, 202) }
```

Border

The CSS property to change the border of an element to Yxy 31.2297, 0.2988, 0.2404 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(184, 133, 202) }
```

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

```
.border{ border-color:rgb(184, 133, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 133, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 133, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 133, 202);  
box-shadow:4px 4px 4px 4px rgb(184, 133,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2297, 0.2988, 0.2404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 133, 202) }
```

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

```
.background{ background-color: rgb(184,  
133, 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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