

Converting Colors

$Y_{xy}(31.3321, 0.3299, 0.2716)$

Have a look what the booklet for
Yxy(31.3321, 0.3299, 0.2716)
contains.

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Color

Yxy(31.3409, 0.3293, 0.2712)

Conversions

Conversions Part 1

Format	Color
Hex	BF86B2
RGB	191, 134, 178
RGB Percent	75%, 53%, 70%
CMY	0.2508, 0.4746, 0.3019
CMYK	0.00, 0.30, 0.07, 0.25
HSL	314°, 31%, 64%
HSV	314°, 30%, 75%
XYZ	38.0552, 31.3409, 46.1677
YIQ	156.0590, 19.8480, 25.7680

Conversions

Conversions Part 2

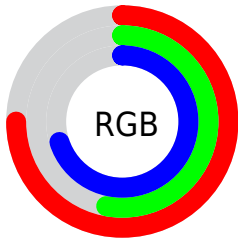
Format	Color
R_{YB}	191, 134, 178
Decimal	12551858
CIE _{Lab}	62.79, 28.89, -14.40
CIE _{LCh}	63, 32.280, 333.505
Yxy	31.3409, 0.3293, 0.2712
Android (android.graphics.Color)	4290741938 (0xFFBF86B2)
YUV	156.0590, 10.8169, 30.6433
Hunter-Lab	55.9829, 23.3676, -9.7069

Details

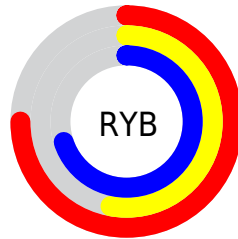
The Yxy color **31.3409, 0.3293, 0.2712** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.4540, 0.2996, 0.3948**, and the grayscale version is **33.2190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8634, 0.3261, 0.2819**, and **12.9855, 0.3348, 0.2541** is the 20% darker color. If you saturate the color by 10%, you get **26.3581, 0.3365, 0.2518**, and if you desaturate by 10%, it is **37.2860, 0.3229, 0.2910**.

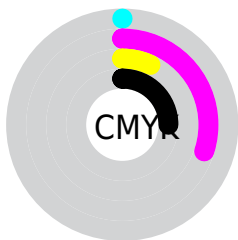
Distribution



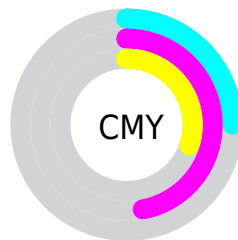
- Red (75%)
- Green (53%)
- Blue (70%)



- Red (75%)
- Yellow (53%)
- Blue (70%)



- Cyan (0%)
- Magenta (30%)
- Yellow (7%)
- Black (25%)





- Cyan (25%)
- Magenta (47%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3409, 0.3293, 0.2712 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 31.3409, 0.3293, 0.2712 by changing the saturation by 10% instead.


 31.3409, 0.3293,
0.2712


 31.3409, 0.3293,
0.2712


308.1058, 0.3211,
0.3006

 20.8586, 0.3313,
0.2637


 61.7764, 0.3263,
0.2820

 13.0207, 0.3338,
0.2541


 82.4983, 0.3252,
0.2860

 7.4428, 0.3372,
0.2411


 107.4023, 0.3243,
0.2894

 3.7405, 0.3416,
0.2228

136.8726, 0.3235,
0.2923

 1.5295, 0.3479,
0.1954

171.2937, 0.3228,
0.2948

 0.3094, 0.3719,
0.1140

211.0501, 0.3221,

 0.0000, 0.0000,

0.2970

0.0000

256.5259, 0.3216,
0.2989

■ 31.3409, 0.3293,
0.2712

■ 31.3409, 0.3293,
0.2712

■ 26.3581, 0.3365,
0.2518

■ 37.2860, 0.3229,
0.2910

■ 22.2818, 0.3444,
0.2336

■ 44.2367, 0.3174,
0.3105

■ 19.0573, 0.3530,
0.2176

■ 52.2389, 0.3127,
0.3292

■ 16.6220, 0.3619,
0.2048

■ 61.3342, 0.3086,
0.3470

■ 14.9046, 0.3711,
0.1960

■ 71.5623, 0.3052,
0.3636

■ 13.8212, 0.3801,
0.1918

■ 82.9605, 0.3023,
0.3790

■ 13.2085, 0.3888,
0.1916

■ 87.1832, 0.2999,
0.3805

■ 13.2012, 0.3889,
0.1916

■ 87.4017, 0.2975,
0.3755

■ 87.6262, 0.2952,
0.3705

Harmonies

Analogous

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



31.3409, 0.2784, 0.2512



31.3409, 0.3293, 0.2712



31.3409, 0.3792, 0.3040

Triad

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



31.3409, 0.3293, 0.2712



31.3409, 0.3864, 0.4137



31.3409, 0.2236, 0.3014

Complementary

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



31.3409, 0.3293, 0.2712



44.4540, 0.2996, 0.3948

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.



31.3409, 0.2480, 0.3519



31.3409, 0.3293, 0.2712



31.3409, 0.3412, 0.4219

Square

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



31.3409, 0.3293, 0.2712



31.3409, 0.4128, 0.3834



31.3409, 0.2905, 0.3990



31.3409, 0.2210, 0.2648

Rectangle

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



31.3409, 0.3293, 0.2712



31.3409, 0.4032, 0.3301



31.3409, 0.2905, 0.3990



31.3409, 0.2294, 0.3173

Sweetspot

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



31.3423, 0.3293, 0.2712



80.1629, 0.3170, 0.3119



26.9520, 0.2720, 0.2456



17.1704, 0.3178, 0.3090



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.3423, 0.3293, 0.2712



49.9421, 0.3340, 0.2581



30.3344, 0.3598, 0.3071



9.6580, 0.3172, 0.3115



8.6841, 0.3878, 0.1910



0.3495, 0.3687, 0.1805

Inverse Universe

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



31.3423, 0.3293, 0.2712



49.9421, 0.3340, 0.2581



45.4371, 0.2806, 0.3523



9.6580, 0.3172, 0.3115



8.6841, 0.3878, 0.1910



0.3495, 0.3687, 0.1805

Previews

White Background



This preview shows how the Yxy color 31.3409, 0.3293, 0.2712 looks on a white background.

Color Contrast Check

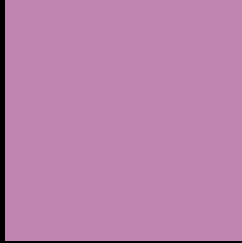
Large Text (above 18pt) WCAG AA × Fail

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 31.3409, 0.3293, 0.2712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

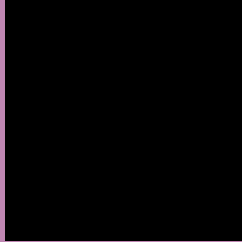
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3409, 0.3293, 0.2712

Background



This preview shows how black text looks on a background with the Yxy color 31.3409, 0.3293, 0.2712.



This preview shows how white text looks on a background with the Yxy color 31.3409, 0.3293, 0.2712.

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

31.3409, 0.3293, 0.2712

Protanopia

31.6470, 0.2727, 0.2733

Deuteranopia

31.3429, 0.2958, 0.2894



Tritanopia

31.2320, 0.3541, 0.3139

Trichromacy



Original Color

31.3409, 0.3293, 0.2712

Protanomaly

31.2272, 0.2908, 0.2721

Deuteranomaly

31.2145, 0.3078, 0.2824

Tritanomaly

31.1208, 0.3447, 0.2978

Monochromacy



Original Color

31.3409, 0.3293, 0.2712

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.2952, 0.3189, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3409, 0.3293, 0.2712 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(191, 134, 178)` looks like.

```
.text, #text, p{  
    color:rgb(191, 134, 178)  
}
```

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(191, 134, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 134, 178) }
```

Border

The CSS property to change the border of an element to Yxy 31.3409, 0.3293, 0.2712 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(191, 134, 178) }
```

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

```
.border{ border-color:rgb(191, 134, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 134, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 134, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 134, 178);  
box-shadow:4px 4px 4px 4px rgb(191, 134,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3409, 0.3293, 0.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 134, 178) }
```

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

```
.background{ background-color: rgb(191,  
134, 178) }
```

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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