

Converting Colors

$Y_{xy}(31.4635, 0.2950, 0.2411)$

Have a look what the booklet for
Yxy(31.4635, 0.2950, 0.2411)
contains.

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Color

Yxy(31.4635, 0.2950, 0.2411)

Conversions

Conversions Part 1

Format	Color
Hex	B587CB
RGB	181, 135, 203
RGB Percent	71%, 53%, 80%
CMY	0.2902, 0.4706, 0.2040
CMYK	0.11, 0.33, 0.00, 0.20
HSL	281°, 40%, 66%
HSV	281°, 33%, 80%
XYZ	38.4974, 31.4635, 60.5389
YIQ	156.5060, 5.5880, 30.9000

Conversions

Conversions Part 2

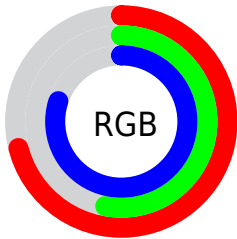
Format	Color
R _Y B	181, 135, 203
Decimal	11896779
CIE Lab	62.90, 29.87, -28.43
CIE LCh	63, 41.236, 316.416
Yxy	31.4635, 0.2950, 0.2411
Android (android.graphics.Color)	4290086859 (0xFFB587CB)
YUV	156.5060, 22.9215, 21.4812
Hunter-Lab	56.0923, 24.3470, -24.7254

Details

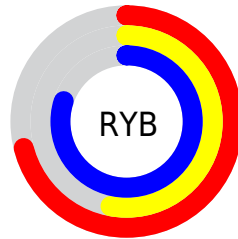
The Yxy color **31.4635, 0.2950, 0.2411** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **51.6267, 0.3247, 0.4230**, and the grayscale version is **33.3779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7923, 0.3029, 0.2618**, and **13.0226, 0.2872, 0.2156** is the 20% darker color. If you saturate the color by 10%, you get **25.5544, 0.2879, 0.2137**, and if you desaturate by 10%, it is **38.4926, 0.3013, 0.2686**.

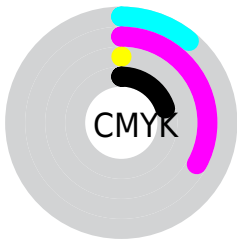
Distribution



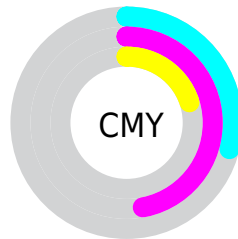
- Red (71%)
- Green (53%)
- Blue (80%)



- Red (71%)
- Yellow (53%)
- Blue (80%)



- Cyan (11%)
- Magenta (33%)
- Yellow (0%)
- Black (20%)





- Cyan (29%)
- Magenta (47%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4635, 0.2950, 0.2411 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 31.4635, 0.2950, 0.2411 by changing the saturation by 10% instead.


 31.4635, 0.2950,
0.2411


 31.4635, 0.2950,
0.2411


308.6680, 0.3053,
0.2847

 20.9520, 0.2920,
0.2304


 61.9691, 0.2991,
0.2568

 13.0890, 0.2878,
0.2169


 82.7320, 0.3005,
0.2628

 7.4898, 0.2819,
0.1993


 107.6808, 0.3017,
0.2678

 3.7703, 0.2728,
0.1755

137.2000, 0.3027,
0.2721

 1.5459, 0.2577,
0.1423

171.6739, 0.3035,
0.2759

 0.3207, 0.2352,
0.0719

211.4870, 0.3042,

 0.0000, 0.0000,

0.2792

0.0000

257.0235, 0.3048,
0.2821

■ 31.4635, 0.2950,
0.2411

■ 31.4635, 0.2950,
0.2411

■ 25.5544, 0.2879,
0.2137

■ 38.4926, 0.3013,
0.2686

■ 20.6991, 0.2800,
0.1873

■ 46.6949, 0.3067,
0.2952

■ 16.8309, 0.2715,
0.1633


■ 56.1250, 0.3113,
0.3206


■ 13.8732, 0.2627,
0.1427


■ 66.8326, 0.3151,
0.3441


■ 11.7379, 0.2540,
0.1264


■ 78.8650, 0.3182,
0.3658


 10.3188, 0.2455,
0.1151

 91.1104, 0.3209,
0.3839

 9.6559, 0.2402,
0.1097

 92.1580, 0.3252,
0.3831

 93.2464, 0.3294,
0.3824

 94.3760, 0.3337,
0.3817

Harmonies

Analogous

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



31.4635, 0.2394, 0.2276



31.4635, 0.2950, 0.2411



31.4635, 0.3622, 0.2728

Triad

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



31.4635, 0.2950, 0.2411



31.4635, 0.4280, 0.4139



31.4635, 0.2151, 0.3280

Complementary

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



31.4635, 0.2950, 0.2411



51.6267, 0.3247, 0.4230

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.



31.4635, 0.2584, 0.3961



31.4635, 0.2950, 0.2411



31.4635, 0.3814, 0.4455

Square

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



31.4635, 0.2950, 0.2411



31.4635, 0.4435, 0.3667



31.4635, 0.3192, 0.4424



31.4635, 0.1973, 0.2698

Rectangle

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



31.4635, 0.2950, 0.2411



31.4635, 0.4029, 0.3013



31.4635, 0.3192, 0.4424



31.4635, 0.2269, 0.3509

Sweetspot

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



31.4648, 0.2950, 0.2411



83.2642, 0.3083, 0.3039



33.8043, 0.2573, 0.2640



17.3557, 0.3077, 0.3003



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.



31.4648, 0.2950, 0.2411



45.5312, 0.2901, 0.2217



33.8166, 0.3277, 0.2591



11.2147, 0.3087, 0.3058



6.1964, 0.2413, 0.1103



0.3595, 0.2572, 0.1191

Inverse Universe

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



32.4604, 0.3648, 0.3008



47.5879, 0.3808, 0.2947



49.9459, 0.3008, 0.4109



11.2725, 0.3240, 0.3215



8.3429, 0.5657, 0.2890



0.4443, 0.5097, 0.2581

Previews

White Background



This preview shows how the Yxy color 31.4635, 0.2950, 0.2411 looks on a white background.

Color Contrast Check

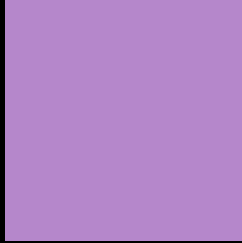
Large Text (above 18pt) WCAG AA × Fail

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 31.4635, 0.2950, 0.2411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

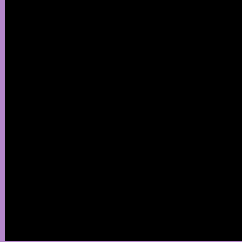
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4635, 0.2950, 0.2411

Background



This preview shows how black text looks on a background with the Yxy color 31.4635, 0.2950, 0.2411.



This preview shows how white text looks on a background with the Yxy color 31.4635, 0.2950, 0.2411.

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

31.4635, 0.2950, 0.2411

Protanopia

31.6245, 0.2458, 0.2378

Deuteranopia

31.6455, 0.2627, 0.2573



Tritanopia

31.3455, 0.3326, 0.3118

Trichromacy



Original Color

31.4635, 0.2950, 0.2411

Protanomaly

31.4380, 0.2615, 0.2386

Deuteranomaly

31.5358, 0.2740, 0.2514

Tritanomaly

31.4140, 0.3190, 0.2847

Monochromacy



Original Color

31.4635, 0.2950, 0.2411

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.6579, 0.3064, 0.2934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4635, 0.2950, 0.2411 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(181, 135, 203)` looks like.

```
.text, #text, p{  
    color:rgb(181, 135, 203)  
}
```

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(181, 135, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 135, 203) }
```

Border

The CSS property to change the border of an element to Yxy 31.4635, 0.2950, 0.2411 is called "border". The border property can be set on classes, ids or directly on the HTML element.

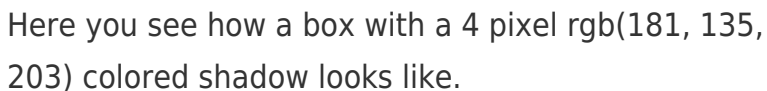
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 135, 203) }
```

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

```
.border{ border-color:rgb(181, 135, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 135, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 135, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 135, 203); box-shadow:4px 4px 4px 4px rgb(181, 135, 203) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4635, 0.2950, 0.2411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 135, 203) }
```

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

```
.background{ background-color: rgb(181,  
135, 203) }
```

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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