

Converting Colors

Yxy(31.6942, 0.2951, 0.2475)

Have a look what the booklet for
Yxy(31.6942, 0.2951, 0.2475)
contains.

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Color

Yxy(31.8121, 0.2948, 0.2476)

Conversions

Conversions Part 1

Format	Color
Hex	B28AC8
RGB	178, 138, 200
RGB Percent	70%, 54%, 78%
CMY	0.3019, 0.4588, 0.2156
CMYK	0.11, 0.31, 0.00, 0.22
HSL	279°, 36%, 66%
HSV	279°, 31%, 78%
XYZ	37.8764, 31.8121, 58.7933
YIQ	157.0280, 3.9380, 27.7620

Conversions

Conversions Part 2

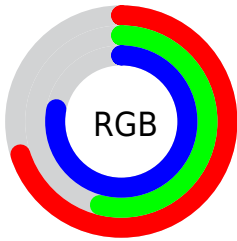
Format	Color
RYB	178, 138, 200
Decimal	11700936
CIELab	63.19, 26.62, -26.33
CIELCh	63, 37.442, 315.310
Yxy	31.8121, 0.2948, 0.2476
Android (android.graphics.Color)	4289891016 (0xFFB28AC8)
YUV	157.0280, 21.1852, 18.3924
Hunter-Lab	56.4022, 21.1663, -22.3219

Details

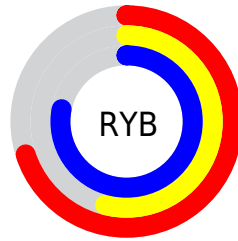
The Yxy color **31.8121, 0.2948, 0.2476** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.6214, 0.3255, 0.4146**, and the grayscale version is **33.6330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4117, 0.2999, 0.2643**, and **13.1768, 0.2869, 0.2236** is the 20% darker color. If you saturate the color by 10%, you get **25.7754, 0.2871, 0.2197**, and if you desaturate by 10%, it is **38.9517, 0.3016, 0.2752**.

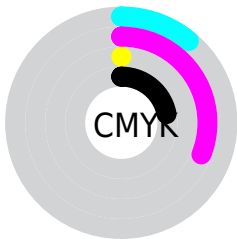
Distribution



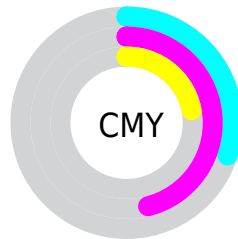
- Red (70%)
- Green (54%)
- Blue (78%)



- Red (70%)
- Yellow (54%)
- Blue (78%)



- Cyan (11%)
- Magenta (31%)
- Yellow (0%)
- Black (22%)





- Cyan (30%)
- Magenta (46%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8121, 0.2948, 0.2476 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 31.8121, 0.2948, 0.2476 by changing the saturation by 10% instead.


 31.8121, 0.2948,
0.2476


 31.8121, 0.2948,
0.2476


310.2624, 0.3051,
0.2882


 21.2180, 0.2918,
0.2376


 62.5164, 0.2988,
0.2623

 13.2835, 0.2878,
0.2248


 83.3954, 0.3003,
0.2678

 7.6240, 0.2820,
0.2081


 108.4715, 0.3014,
0.2725

 3.8553, 0.2732,
0.1853

138.1291, 0.3024,
0.2766

 1.5930, 0.2585,
0.1529

172.7526, 0.3032,
0.2801

 0.3529, 0.2365,
0.0840

212.7264, 0.3039,

 0.0000, 0.0000,

0.2831

0.0000

258.4349, 0.3045,
0.2858

■ 31.8121, 0.2948,
0.2476

■ 31.8121, 0.2948,
0.2476

■ 25.7754, 0.2871,
0.2197

■ 38.9517, 0.3016,
0.2752

■ 20.7788, 0.2786,
0.1925

■ 47.2444, 0.3074,
0.3017

■ 16.7592, 0.2694,
0.1672


■ 56.7423, 0.3123,
0.3266

■ 13.6451, 0.2598,
0.1450


■ 67.4928, 0.3164,
0.3497


■ 11.3546, 0.2502,
0.1270


■ 79.5409, 0.3197,
0.3708


 9.7904, 0.2409,
0.1139

 90.9975, 0.3228,
0.3871

 8.8422, 0.2329,
0.1057

 92.1321, 0.3273,
0.3863

 93.3144, 0.3320,
0.3854

 94.5448, 0.3366,
0.3846

Harmonies

Analogous

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



31.8121, 0.2444, 0.2360



31.8121, 0.2948, 0.2476



31.8121, 0.3555, 0.2764

Triad

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



31.8121, 0.2948, 0.2476



31.8121, 0.4189, 0.4059



31.8121, 0.2248, 0.3309

Complementary

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



31.8121, 0.2948, 0.2476



50.6214, 0.3255, 0.4146

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.



31.8121, 0.2656, 0.3912



31.8121, 0.2948, 0.2476



31.8121, 0.3778, 0.4341

Square

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



31.8121, 0.2948, 0.2476



31.8121, 0.4310, 0.3629



31.8121, 0.3215, 0.4315



31.8121, 0.2072, 0.2774

Rectangle

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



31.8121, 0.2948, 0.2476



31.8121, 0.3925, 0.3026



31.8121, 0.3215, 0.4315



31.8121, 0.2361, 0.3514

Sweetspot

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



31.8134, 0.2948, 0.2476



84.7098, 0.3083, 0.3065



34.9713, 0.2621, 0.2728



17.6379, 0.3076, 0.3027



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.



31.8134, 0.2948, 0.2476



48.0430, 0.2899, 0.2294



34.2516, 0.3243, 0.2620



10.6212, 0.3082, 0.3058



5.6733, 0.2341, 0.1064



0.3081, 0.2525, 0.1165

Inverse Universe

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



32.9952, 0.3575, 0.3005



50.5280, 0.3708, 0.2943



48.8000, 0.3030, 0.4068



10.6981, 0.3235, 0.3208



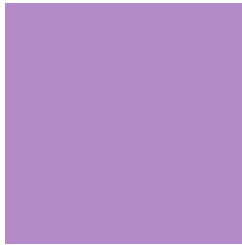
8.1121, 0.5536, 0.2823



0.3979, 0.4953, 0.2502

Previews

White Background



This preview shows how the Yxy color 31.8121, 0.2948, 0.2476 looks on a white background.

Color Contrast Check

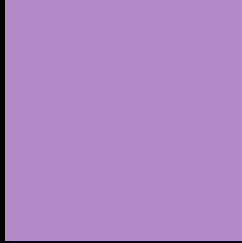
Large Text (above 18pt) WCAG AA × Fail

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 31.8121, 0.2948, 0.2476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

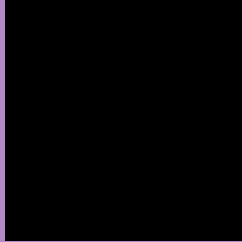
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8121, 0.2948, 0.2476

Background



This preview shows how black text looks on a background with the Yxy color 31.8121, 0.2948, 0.2476.



This preview shows how white text looks on a background with the Yxy color 31.8121, 0.2948, 0.2476.

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

31.8121, 0.2948, 0.2476

Protanopia

32.0206, 0.2521, 0.2458

Deuteranopia

31.8192, 0.2666, 0.2602



Tritanopia

31.6843, 0.3271, 0.3117

Trichromacy



Original Color

31.8121, 0.2948, 0.2476

Protanomaly

31.5933, 0.2661, 0.2459

Deuteranomaly

31.7492, 0.2757, 0.2552

Tritanomaly

31.6607, 0.3157, 0.2871

Monochromacy



Original Color

31.8121, 0.2948, 0.2476

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.8292, 0.3063, 0.2961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8121, 0.2948, 0.2476 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(178, 138, 200)` looks like.

```
.text, #text, p{  
    color:rgb(178, 138, 200)  
}
```

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(178, 138, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 138, 200) }
```

Border

The CSS property to change the border of an element to Yxy 31.8121, 0.2948, 0.2476 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(178, 138, 200) }
```

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

```
.border{ border-color:rgb(178, 138, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 138, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 138, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 138, 200);  
box-shadow:4px 4px 4px 4px rgb(178, 138,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8121, 0.2948, 0.2476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 138, 200) }
```

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

```
.background{ background-color: rgb(178,  
138, 200) }
```

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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