

Converting Colors

$Y_{xy}(31.4930, 0.3338, 0.2685)$

Have a look what the booklet for
Yxy(31.4930, 0.3338, 0.2685)
contains.

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Color

Yxy(31.4930, 0.3338, 0.2685)

Conversions

Conversions Part 1

Format	Color
Hex	C484B3
RGB	196, 132, 179
RGB Percent	77%, 52%, 70%
CMY	0.2313, 0.4823, 0.2982
CMYK	0.00, 0.33, 0.09, 0.23
HSL	316°, 35%, 64%
HSV	316°, 33%, 77%
XYZ	39.1522, 31.4930, 46.6472
YIQ	156.4940, 23.0570, 28.1850

Conversions

Conversions Part 2

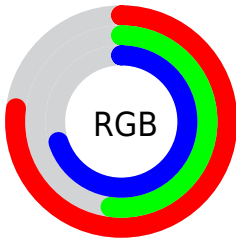
Format	Color
R _Y B	196, 132, 179
Decimal	12879027
CIE Lab	62.92, 31.85, -14.70
CIE LCh	63, 35.077, 335.225
Yxy	31.4930, 0.3338, 0.2685
Android (android.graphics.Color)	4291069107 (0xFFC484B3)
YUV	156.4940, 11.0955, 34.6468
Hunter-Lab	56.1186, 26.3262, -10.0003

Details

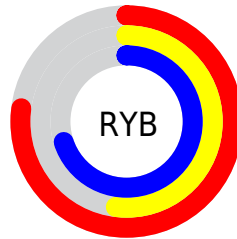
The Yxy color **31.4930, 0.3338, 0.2685** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.5615, 0.2968, 0.3984**, and the grayscale version is **33.4203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9986, 0.3294, 0.2796**, and **13.0539, 0.3398, 0.2507** is the 20% darker color. If you saturate the color by 10%, you get **26.4611, 0.3424, 0.2501**, and if you desaturate by 10%, it is **37.5344, 0.3262, 0.2874**.

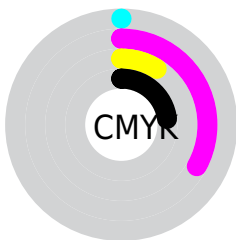
Distribution



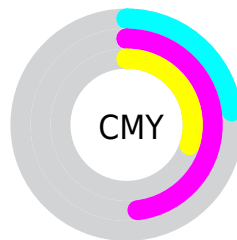
- Red (77%)
- Green (52%)
- Blue (70%)



- Red (77%)
- Yellow (52%)
- Blue (70%)



- Cyan (0%)
- Magenta (33%)
- Yellow (9%)
- Black (23%)





- Cyan (23%)
- Magenta (48%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4930, 0.3338, 0.2685 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 31.4930, 0.3338, 0.2685 by changing the saturation by 10% instead.


 31.4930, 0.3338,
0.2685


 31.4930, 0.3338,
0.2685


308.8032, 0.3233,
0.2991


 20.9745, 0.3364,
0.2608

 62.0154, 0.3300,
0.2797

 13.1054, 0.3397,
0.2508


 82.7882, 0.3286,
0.2839

 7.5012, 0.3441,
0.2374


 107.7478, 0.3273,
0.2874

 3.7775, 0.3501,
0.2186

137.2787, 0.3263,
0.2905

 1.5499, 0.3587,
0.1907

171.7654, 0.3254,
0.2931

 0.3234, 0.3858,
0.1125

211.5920, 0.3246,

 0.0000, 0.1578,

0.2953

0.0000

257.1432, 0.3239,
0.2974

0.0000, 0.0000,
0.0000

31.4930, 0.3338,
0.2685

31.4930, 0.3338,
0.2685

26.4611, 0.3424,
0.2501

37.5344, 0.3262,
0.2874

22.3784, 0.3519,
0.2331

44.6329, 0.3197,
0.3062

19.1845, 0.3622,
0.2185


52.8381, 0.3141,
0.3243


16.8104, 0.3730,
0.2073

62.1952, 0.3093,
0.3415


15.1771, 0.3839,
0.2004


72.7469, 0.3053,
0.3576

 14.1894, 0.3947,
0.1983

 84.5337, 0.3019,
0.3726

 13.7455, 0.4025,
0.1991

 88.1890, 0.2990,
0.3722

 88.4623, 0.2962,
0.3663

 88.7444, 0.2934,
0.3604

Harmonies

Analogous

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



31.4930, 0.2783, 0.2462



31.4930, 0.3338, 0.2685



31.4930, 0.3875, 0.3041

Triad

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



31.4930, 0.3338, 0.2685



31.4930, 0.3897, 0.4218



31.4930, 0.2159, 0.2958

Complementary

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



31.4930, 0.3338, 0.2685



46.5615, 0.2968, 0.3984

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.



31.4930, 0.2406, 0.3504



31.4930, 0.3338, 0.2685



31.4930, 0.3399, 0.4298

Square

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



31.4930, 0.3338, 0.2685



31.4930, 0.4201, 0.3894



31.4930, 0.2853, 0.4032



31.4930, 0.2146, 0.2578

Rectangle

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



31.4930, 0.3338, 0.2685



31.4930, 0.4126, 0.3322



31.4930, 0.2853, 0.4032



31.4930, 0.2216, 0.3128

Sweetspot

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



31.4944, 0.3338, 0.2685



84.3662, 0.3182, 0.3108



26.7863, 0.2693, 0.2370



17.6238, 0.3190, 0.3082



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.



31.4944, 0.3338, 0.2685



50.5168, 0.3397, 0.2556



30.3792, 0.3684, 0.3078



10.2003, 0.3177, 0.3123



8.8460, 0.4011, 0.1983



0.3931, 0.3794, 0.1864

Inverse Universe

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



31.4944, 0.3338, 0.2685



50.5168, 0.3397, 0.2556



47.6858, 0.2765, 0.3517



10.2003, 0.3177, 0.3123



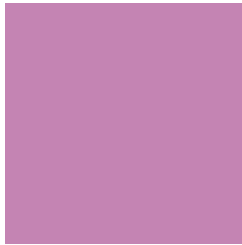
8.8460, 0.4011, 0.1983



0.3931, 0.3794, 0.1864

Previews

White Background



This preview shows how the Yxy color 31.4930, 0.3338, 0.2685 looks on a white background.

Color Contrast Check

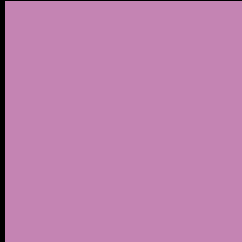
Large Text (above 18pt) WCAG AA × Fail

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 31.4930, 0.3338, 0.2685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

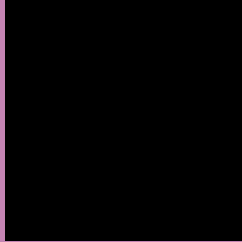
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4930, 0.3338, 0.2685

Background



This preview shows how black text looks on a background with the Yxy color 31.4930, 0.3338, 0.2685.



This preview shows how white text looks on a background with the Yxy color 31.4930, 0.3338, 0.2685.

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

31.4930, 0.3338, 0.2685

Protanopia

31.7786, 0.2704, 0.2693

Deuteranopia

31.6974, 0.2950, 0.2895



Tritanopia

31.5215, 0.3621, 0.3156

Trichromacy



Original Color

31.4930, 0.3338, 0.2685

Protanomaly

31.2158, 0.2910, 0.2684

Deuteranomaly

31.4772, 0.3088, 0.2813

Tritanomaly

31.4490, 0.3515, 0.2983

Monochromacy



Original Color

31.4930, 0.3338, 0.2685

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.2057, 0.3210, 0.3047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4930, 0.3338, 0.2685 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(196, 132, 179)` looks like.

```
.text, #text, p{  
    color:rgb(196, 132, 179)  
}
```

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(196, 132, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 132, 179) }
```

Border

The CSS property to change the border of an element to Yxy 31.4930, 0.3338, 0.2685 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(196, 132, 179) }
```

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

```
.border{ border-color:rgb(196, 132, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 132, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 132, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 132, 179);  
box-shadow:4px 4px 4px 4px rgb(196, 132,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4930, 0.3338, 0.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 132, 179) }
```

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

```
.background{ background-color: rgb(196,  
132, 179) }
```

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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