

Converting Colors

$Y_{xy}(22.8313, 0.3450, 0.2183)$

Have a look what the booklet for
Yxy(22.8313, 0.3450, 0.2183)
contains.

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Color

Yxy(22.8313, 0.3450, 0.2183)

Conversions

Conversions Part 1

Format	Color
Hex	CA58B4
RGB	202, 88, 180
RGB Percent	79%, 35%, 71%
CMY	0.2079, 0.6548, 0.2942
CMYK	0.00, 0.56, 0.11, 0.21
HSL	312°, 52%, 57%
HSV	312°, 56%, 79%
XYZ	36.0824, 22.8313, 45.6731
YIQ	132.5740, 38.4120, 52.7800

Conversions

Conversions Part 2

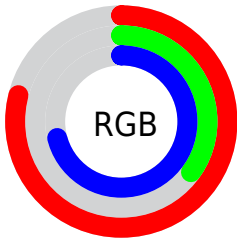
Format	Color
R _Y B	202, 88, 180
Decimal	13260980
CIE Lab	54.90, 56.44, -27.48
CIE LCh	55, 62.776, 334.044
Yxy	22.8313, 0.3450, 0.2183
Android (android.graphics.Color)	4291451060 (0xFFCA58B4)
YUV	132.5740, 23.3810, 60.8866
Hunter-Lab	47.7821, 51.1748, -23.2255

Details

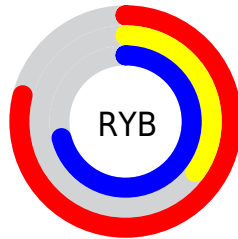
The Yxy color **22.8313, 0.3450, 0.2183** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **45.4416, 0.2929, 0.4760**, and the grayscale version is **23.1976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9611, 0.3342, 0.2371**, and **8.4308, 0.3525, 0.1863** is the 20% darker color. If you saturate the color by 10%, you get **19.8056, 0.3525, 0.2038**, and if you desaturate by 10%, it is **26.7822, 0.3379, 0.2358**.

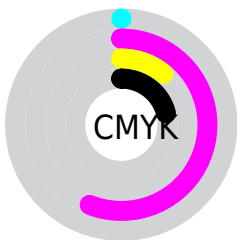
Distribution



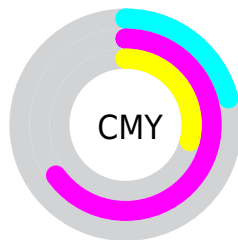
- Red (79%)
- Green (35%)
- Blue (71%)



- Red (79%)
- Yellow (35%)
- Blue (71%)



- Cyan (0%)
- Magenta (56%)
- Yellow (11%)
- Black (21%)





- Cyan (21%)
- Magenta (65%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8313, 0.3450, 0.2183 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 22.8313, 0.3450, 0.2183 by changing the saturation by 10% instead.

 22.8313, 0.3450,
0.2183


 22.8313, 0.3450,
0.2183


266.8573, 0.3295,
0.2742

 14.4690, 0.3485,
0.2044


 48.1162, 0.3396,
0.2386


 8.4476, 0.3528,
0.1868


 65.8075, 0.3375,
0.2462

 4.3827, 0.3580,
0.1637


 87.3774, 0.3357,
0.2527

 1.8898, 0.3641,
0.1327

 113.2100, 0.3341,
0.2582

 0.5423, 0.3726,
0.0845

143.6900, 0.3328,
0.2630

 0.0000, 0.3842,
0.0000

179.2016, 0.3316,

 0.0000, 0.0000,

0.2672

0.0000

220.1292, 0.3305,
0.2709

■ 22.8313, 0.3450,
0.2183

■ 22.8313, 0.3450,
0.2183

■ 19.8056, 0.3525,
0.2038

■ 26.7822, 0.3379,
0.2358

■ 17.6239, 0.3600,
0.1931

■ 31.7242, 0.3313,
0.2552

■ 16.1965, 0.3675,
0.1869

■ 37.7208, 0.3253,
0.2756

■ 15.4065, 0.3746,
0.1852

■ 44.8294, 0.3200,
0.2962

■ 15.1996, 0.3771,
0.1851

■ 53.1033, 0.3154,
0.3164

■ 62.5921, 0.3114,
0.3358

■ 73.3427, 0.3079,
0.3541

■ 85.3996, 0.3050,
0.3711

■ 88.9875, 0.3028,
0.3722

Harmonies

Analogous

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



22.8313, 0.2408, 0.1828



22.8313, 0.3450, 0.2183



22.8313, 0.4571, 0.2749

Triad

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



22.8313, 0.3450, 0.2183



22.8313, 0.4468, 0.4911



22.8313, 0.1404, 0.2586

Complementary

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



22.8313, 0.3450, 0.2183



45.4416, 0.2929, 0.4760

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.



22.8313, 0.1776, 0.3719



22.8313, 0.3450, 0.2183



22.8313, 0.3532, 0.5361

Square

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



22.8313, 0.3450, 0.2183



22.8313, 0.5127, 0.4166



22.8313, 0.2547, 0.4945



22.8313, 0.1400, 0.1954

Rectangle

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



22.8313, 0.3450, 0.2183



22.8313, 0.5086, 0.3194



22.8313, 0.2547, 0.4945



22.8313, 0.1484, 0.2911

Sweetspot

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



22.8324, 0.3450, 0.2183



74.8645, 0.3204, 0.2946



14.4916, 0.2210, 0.1566



15.4727, 0.3214, 0.2904



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.



22.8324, 0.3450, 0.2183



32.4817, 0.3544, 0.2007



20.9960, 0.4257, 0.2838



11.3651, 0.3167, 0.3105



9.7937, 0.3762, 0.1846



0.5150, 0.3635, 0.1776

Inverse Universe

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



22.8324, 0.3450, 0.2183



32.4817, 0.3544, 0.2007



47.0647, 0.2614, 0.3842



11.3651, 0.3167, 0.3105



9.7937, 0.3762, 0.1846



0.5150, 0.3635, 0.1776

Previews

White Background



This preview shows how the Yxy color 22.8313, 0.3450, 0.2183 looks on a white background.

Color Contrast Check

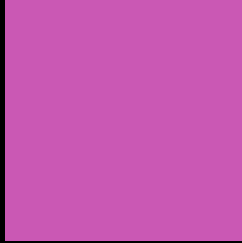
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8313, 0.3450, 0.2183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

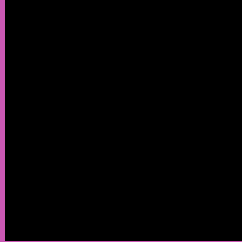
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8313, 0.3450, 0.2183

Background



This preview shows how black text looks on a background with the Yxy color 22.8313, 0.3450, 0.2183.

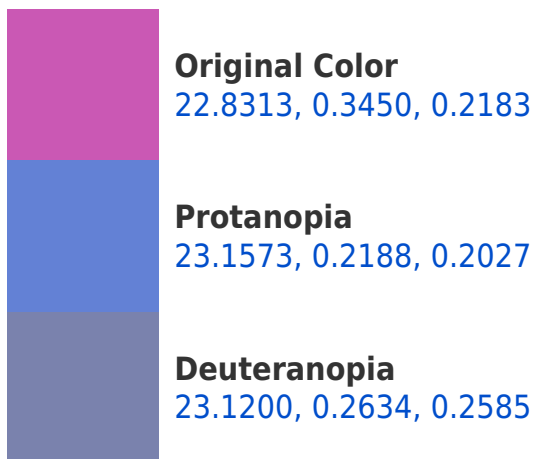


This preview shows how white text looks on a background with the Yxy color 22.8313, 0.3450, 0.2183.

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





Tritanopia

22.8751, 0.4263, 0.3200

Trichromacy



Original Color

22.8313, 0.3450, 0.2183



Protanomaly

21.4859, 0.2515, 0.2023



Deuteranomaly

21.9754, 0.2886, 0.2373



Tritanomaly

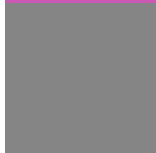
22.7356, 0.3966, 0.2795

Monochromacy



Original Color

22.8313, 0.3450, 0.2183



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

22.1937, 0.3249, 0.2777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8313, 0.3450, 0.2183 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(202, 88, 180)` looks like.

```
.text, #text, p{  
    color:rgb(202, 88, 180)  
}
```

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(202, 88, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 88, 180) }
```

Border

The CSS property to change the border of an element to Yxy 22.8313, 0.3450, 0.2183 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(202, 88, 180) }
```

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

```
.border{ border-color:rgb(202, 88, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 88, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 88, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 88, 180);  
box-shadow:4px 4px 4px 4px rgb(202, 88,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8313, 0.3450, 0.2183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 88, 180) }
```

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

```
.background{ background-color: rgb(202, 88,  
180) }
```

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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