

Converting Colors

$Y_{xy}(23.0179, 0.3578, 0.2310)$

Have a look what the booklet for
Yxy(23.0179, 0.3578, 0.2310)
contains.

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Color

Yxy(22.9491, 0.3576, 0.2303)

Conversions

Conversions Part 1

Format	Color
Hex	CB5AAB
RGB	203, 90, 171
RGB Percent	80%, 35%, 67%
CMY	0.2039, 0.6470, 0.3295
CMYK	0.00, 0.56, 0.16, 0.20
HSL	317°, 52%, 57%
HSV	317°, 56%, 80%
XYZ	35.6344, 22.9491, 41.0652
YIQ	133.0210, 41.3470, 49.1470

Conversions

Conversions Part 2

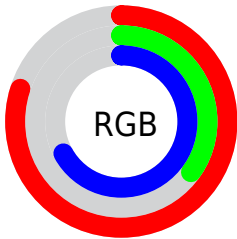
Format	Color
R_{YB}	203, 90, 171
Decimal	13327019
CIE _{Lab}	55.02, 54.41, -22.05
CIE _{LCh}	55, 58.713, 337.939
Yxy	22.9491, 0.3576, 0.2303
Android (android.graphics.Color)	4291517099 (0xFFFCB5AAB)
YUV	133.0210, 18.7236, 61.3716
Hunter-Lab	47.9052, 48.9434, -17.2908

Details

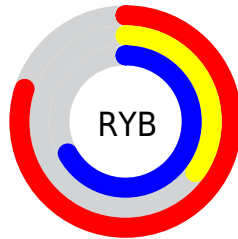
The Yxy color **22.9491, 0.3576, 0.2303** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **46.2950, 0.2874, 0.4574**, and the grayscale version is **23.3836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0018, 0.3432, 0.2478**, and **8.5306, 0.3698, 0.2006** is the 20% darker color. If you saturate the color by 10%, you get **19.7657, 0.3689, 0.2169**, and if you desaturate by 10%, it is **27.0793, 0.3471, 0.2464**.

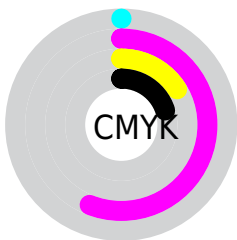
Distribution



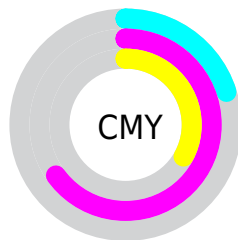
- Red (80%)
- Green (35%)
- Blue (67%)



- Red (80%)
- Yellow (35%)
- Blue (67%)



- Cyan (0%)
- Magenta (56%)
- Yellow (16%)
- Black (20%)




- Cyan (20%)
- Magenta (65%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9491, 0.3576, 0.2303 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 22.9491, 0.3576, 0.2303 by changing the saturation by 10% instead.


 22.9491, 0.3576,
0.2303


 22.9491, 0.3576,
0.2303


267.4635, 0.3347,
0.2808


 14.5559, 0.3634,
0.2175


 48.3097, 0.3492,
0.2488

 8.5083, 0.3708,
0.2010


 66.0460, 0.3461,
0.2557

 4.4219, 0.3807,
0.1791


 87.6654, 0.3434,
0.2616

 1.9123, 0.3943,
0.1489

 113.5523, 0.3412,
0.2665

 0.5557, 0.4163,
0.0998

144.0912, 0.3392,
0.2708

 0.0000, 0.4607,
0.0000

179.6664, 0.3375,

 0.0000, 0.0000,

0.2746

0.0000

220.6624, 0.3360,
0.2779

■ 22.9491, 0.3576,
0.2303

■ 22.9491, 0.3576,
0.2303

■ 19.7657, 0.3689,
0.2169

■ 27.0793, 0.3471,
0.2464

■ 17.4474, 0.3807,
0.2073

■ 32.2225, 0.3377,
0.2642

■ 15.9046, 0.3925,
0.2022

■ 38.4426, 0.3293,
0.2827

■ 15.0251, 0.4041,
0.2019

■ 45.7974, 0.3220,
0.3012

■ 14.7558, 0.4091,
0.2027

■ 54.3405, 0.3158,
0.3192

■ 64.1222, 0.3105,
0.3363

■ 75.1898, 0.3061,
0.3524

■ 87.5881, 0.3024,
0.3673

■ 89.5326, 0.2992,
0.3636

Harmonies

Analogous

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



22.9491, 0.2565, 0.1931



22.9491, 0.3576, 0.2303



22.9491, 0.4591, 0.2867

Triad

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



22.9491, 0.3576, 0.2303



22.9491, 0.4310, 0.4915



22.9491, 0.1473, 0.2535

Complementary

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



22.9491, 0.3576, 0.2303



46.2950, 0.2874, 0.4574

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.



22.9491, 0.1788, 0.3540



22.9491, 0.3576, 0.2303



22.9491, 0.3408, 0.5224

Square

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



22.9491, 0.3576, 0.2303



22.9491, 0.4967, 0.4241



22.9491, 0.2482, 0.4698



22.9491, 0.1507, 0.1984

Rectangle

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



22.9491, 0.3576, 0.2303



22.9491, 0.5021, 0.3303



22.9491, 0.2482, 0.4698



22.9491, 0.1536, 0.2821

Sweetspot

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



22.9502, 0.3576, 0.2303



74.6258, 0.3231, 0.2983



15.7650, 0.2326, 0.1632



15.4159, 0.3245, 0.2946



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.



22.9502, 0.3576, 0.2303



32.1077, 0.3715, 0.2144



21.2371, 0.4409, 0.2987



11.3474, 0.3180, 0.3125



9.4062, 0.4076, 0.2019



0.4979, 0.3869, 0.1905

Inverse Universe

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



22.9502, 0.3576, 0.2303



32.1077, 0.3715, 0.2144



48.1243, 0.2556, 0.3654



11.3474, 0.3180, 0.3125



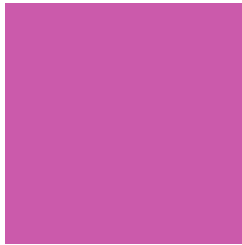
9.4062, 0.4076, 0.2019



0.4979, 0.3869, 0.1905

Previews

White Background



This preview shows how the Yxy color 22.9491, 0.3576, 0.2303 looks on a white background.

Color Contrast Check

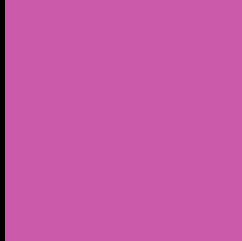
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9491, 0.3576, 0.2303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

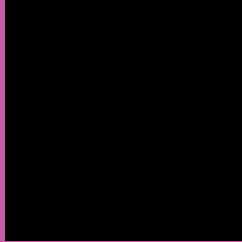
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9491, 0.3576, 0.2303

Background



This preview shows how black text looks on a background with the Yxy color 22.9491, 0.3576, 0.2303.



This preview shows how white text looks on a background with the Yxy color 22.9491, 0.3576, 0.2303.

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

22.9491, 0.3576, 0.2303

Protanopia

23.3553, 0.2306, 0.2180

Deuteranopia

23.2348, 0.2769, 0.2728



Tritanopia

22.9186, 0.4308, 0.3201

Trichromacy



Original Color

22.9491, 0.3576, 0.2303

Protanomaly

21.7738, 0.2654, 0.2165

Deuteranomaly

22.0201, 0.3024, 0.2501

Tritanomaly

22.7592, 0.4037, 0.2849

Monochromacy



Original Color

22.9491, 0.3576, 0.2303

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.0983, 0.3284, 0.2821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9491, 0.3576, 0.2303 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(203, 90, 171)` looks like.

```
.text, #text, p{  
    color:rgb(203, 90, 171)  
}
```

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(203, 90, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 90, 171) }
```

Border

The CSS property to change the border of an element to Yxy 22.9491, 0.3576, 0.2303 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(203, 90, 171) }
```

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

```
.border{ border-color:rgb(203, 90, 171) }
```

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

Here you see how a box with a 4 pixel rgb(203, 90, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 90, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 90, 171);  
box-shadow:4px 4px 4px 4px rgb(203, 90,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9491, 0.3576, 0.2303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 90, 171) }
```

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

```
.background{ background-color: rgb(203, 90,  
171) }
```

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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