

Converting Colors

$Y_{xy}(23.5789, 0.3801, 0.2230)$

Have a look what the booklet for
Yxy(23.5789, 0.3801, 0.2230)
contains.

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Color

Yxy(23.5789, 0.3801, 0.2230)

Conversions

Conversions Part 1

Format	Color
Hex	DE4BAD
RGB	222, 75, 173
RGB Percent	87%, 29%, 68%
CMY	0.1293, 0.7060, 0.3216
CMYK	0.00, 0.66, 0.22, 0.13
HSL	320°, 69%, 58%
HSV	320°, 66%, 87%
XYZ	40.1899, 23.5789, 41.9662
YIQ	130.1250, 56.1540, 61.6420

Conversions

Conversions Part 2

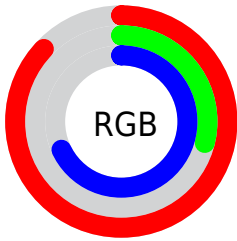
Format	Color
R _Y B	222, 75, 173
Decimal	14568365
CIE Lab	55.66, 66.39, -21.99
CIE LCh	56, 69.938, 341.673
Yxy	23.5789, 0.3801, 0.2230
Android (android.graphics.Color)	4292758445 (0xFFDE4BAD)
YUV	130.1250, 21.1374, 80.5744
Hunter-Lab	48.5581, 62.7616, -17.2505

Details

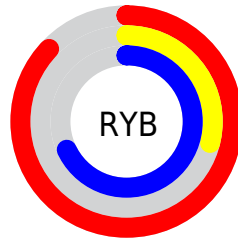
The Yxy color **23.5789, 0.3801, 0.2230** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **55.2095, 0.2819, 0.4764**, and the grayscale version is **22.2757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6922, 0.3416, 0.2341**, and **9.1426, 0.4003, 0.1979** is the 20% darker color. If you saturate the color by 10%, you get **20.7981, 0.3946, 0.2146**, and if you desaturate by 10%, it is **27.4282, 0.3663, 0.2353**.

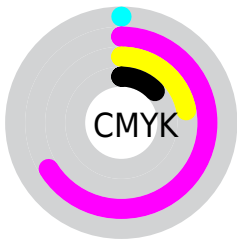
Distribution



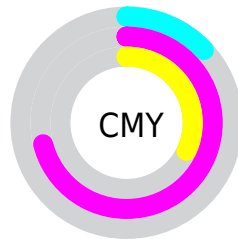
- Red (87%)
- Green (29%)
- Blue (68%)



- Red (87%)
- Yellow (29%)
- Blue (68%)



- Cyan (0%)
- Magenta (66%)
- Yellow (22%)
- Black (13%)





- Cyan (13%)
- Magenta (71%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5789, 0.3801, 0.2230 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 23.5789, 0.3801, 0.2230 by changing the saturation by 10% instead.


 23.5789, 0.3801,
0.2230


 23.5789, 0.3801,
0.2230


270.6846, 0.3453,
0.2765


 15.0215, 0.3890,
0.2097


 49.3421, 0.3673,
0.2425

 8.8345, 0.4006,
0.1927


 67.3168, 0.3625,
0.2498

 4.6334, 0.4162,
0.1704


 89.1994, 0.3585,
0.2560

 2.0338, 0.4380,
0.1403

 115.3743, 0.3551,
0.2613

 0.6270, 0.4718,
0.0954

 146.2258, 0.3521,
0.2659

 0.0000, 0.5431,
0.0000

182.1385, 0.3496,

 0.0000, 1.0000,

0.2699

0.0000

223.4966, 0.3473,
0.2734

0.0000, 0.0000,
0.0000

23.5789, 0.3801,
0.2230

23.5789, 0.3801,
0.2230

20.7981, 0.3946,
0.2146

27.4282, 0.3663,
0.2353

18.9672, 0.4092,
0.2109

32.4411, 0.3537,
0.2503

17.9436, 0.4236,
0.2123

38.7061, 0.3424,
0.2671

17.6726, 0.4290,
0.2137

46.3021, 0.3324,
0.2845

55.3016, 0.3239,
0.3019

65.7715, 0.3166,
0.3189

77.7749, 0.3105,
0.3349

91.3707, 0.3054,
0.3500

93.3237, 0.3013,
0.3447

Harmonies

Analogous

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



23.5789, 0.2593, 0.1791



23.5789, 0.3801, 0.2230



23.5789, 0.4968, 0.2866

Triad

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



23.5789, 0.3801, 0.2230



23.5789, 0.4296, 0.5203



23.5789, 0.1244, 0.2281

Complementary

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



23.5789, 0.3801, 0.2230



55.2095, 0.2819, 0.4764

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.



23.5789, 0.1516, 0.3384



23.5789, 0.3801, 0.2230



23.5789, 0.3251, 0.5580

Square

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



23.5789, 0.3801, 0.2230



23.5789, 0.5133, 0.4393



23.5789, 0.2227, 0.4843



23.5789, 0.1332, 0.1749

Rectangle

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



23.5789, 0.3801, 0.2230



23.5789, 0.5392, 0.3344



23.5789, 0.2227, 0.4843



23.5789, 0.1290, 0.2579

Sweetspot

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



23.5801, 0.3801, 0.2230



70.6185, 0.3271, 0.2951



14.5887, 0.2197, 0.1335



14.3728, 0.3295, 0.2902



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.



23.5801, 0.3801, 0.2230



27.4801, 0.3995, 0.2128



21.4732, 0.4945, 0.3040



13.8539, 0.3189, 0.3135



10.5153, 0.4269, 0.2126



0.7453, 0.4065, 0.2013

Inverse Universe

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



23.5801, 0.3801, 0.2230



27.4801, 0.3995, 0.2128



57.8092, 0.2460, 0.3631



13.8539, 0.3189, 0.3135



10.5153, 0.4269, 0.2126



0.7453, 0.4065, 0.2013

Previews

White Background



This preview shows how the Yxy color 23.5789, 0.3801, 0.2230 looks on a white background.

Color Contrast Check

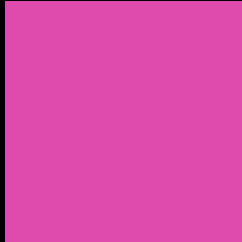
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5789, 0.3801, 0.2230 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 23.5789, 0.3801, 0.2230

Background



This preview shows how black text looks on a background with the Yxy color 23.5789, 0.3801, 0.2230.



This preview shows how white text looks on a background with the Yxy color 23.5789, 0.3801, 0.2230.

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

23.5789, 0.3801, 0.2230

Protanopia

23.9572, 0.2192, 0.2029

Deuteranopia

23.7745, 0.2791, 0.2734



Tritanopia

23.5439, 0.4734, 0.3214

Trichromacy



Original Color

23.5789, 0.3801, 0.2230



Protanomaly

21.5588, 0.2605, 0.2021



Deuteranomaly

22.0885, 0.3119, 0.2455



Tritanomaly

23.2541, 0.4405, 0.2834

Monochromacy



Original Color

23.5789, 0.3801, 0.2230



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

21.0137, 0.3370, 0.2737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5789, 0.3801, 0.2230 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(222, 75, 173)` looks like.

```
.text, #text, p{  
    color:rgb(222, 75, 173)  
}
```

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(222, 75, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 75, 173) }
```

Border

The CSS property to change the border of an element to Yxy 23.5789, 0.3801, 0.2230 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(222, 75, 173) }
```

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

```
.border{ border-color:rgb(222, 75, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 75, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 75, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 75, 173);  
box-shadow:4px 4px 4px 4px rgb(222, 75,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5789, 0.3801, 0.2230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 75, 173) }
```

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

```
.background{ background-color: rgb(222, 75,  
173) }
```

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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