

Converting Colors

$Y_{xy}(23.8921, 0.4571, 0.2318)$

Have a look what the booklet for
Yxy(23.8921, 0.4571, 0.2318)
contains.

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Color

Yxy(23.9305, 0.4563, 0.2315)

Conversions

Conversions Part 1

Format	Color
Hex	FF1099
RGB	255, 16, 153
RGB Percent	100%, 6%, 60%
CMY	0.0001, 0.9365, 0.4000
CMYK	0.00, 0.94, 0.40, 0.00
HSL	326°, 100%, 53%
HSV	326°, 94%, 100%
XYZ	47.1684, 23.9305, 32.2726
YIQ	103.0790, 98.4670, 93.2750

Conversions

Conversions Part 2

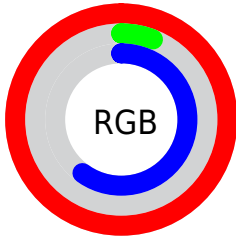
Format	Color
R_{YB}	255, 16, 153
Decimal	16715929
CIE _{Lab}	56.02, 85.44, -9.18
CIE _{LCh}	56, 85.928, 353.868
Yxy	23.9305, 0.4563, 0.2315
Android (android.graphics.Color)	4294906009 (0xFFFF1099)
YUV	103.0790, 24.6111, 133.2347
Hunter-Lab	48.9188, 86.5050, -4.8715

Details

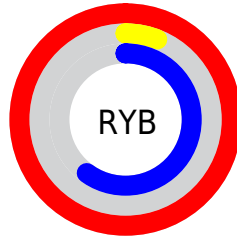
The Yxy color **23.9305, 0.4563, 0.2315** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **72.9275, 0.2776, 0.5158**, and the grayscale version is **13.5310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6656, 0.3683, 0.2286**, and **12.1658, 0.4832, 0.2436** is the 20% darker color. If you saturate the color by 10%, you get **23.3331, 0.4687, 0.2356**, and if you desaturate by 10%, it is **25.5665, 0.4362, 0.2288**.

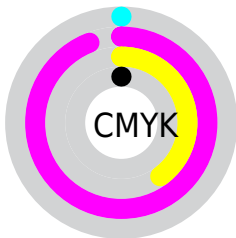
Distribution



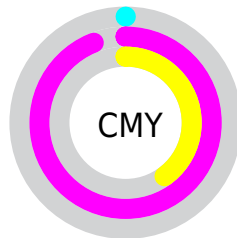
- Red (100%)
- Green (6%)
- Blue (60%)



- Red (100%)
- Yellow (6%)
- Blue (60%)



- Cyan (0%)
- Magenta (94%)
- Yellow (40%)
- Black (0%)





- Cyan (0%)
- Magenta (94%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9305, 0.4563, 0.2315 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 23.9305, 0.4563, 0.2315 by changing the saturation by 10% instead.


 23.9305, 0.4563,
0.2315


 23.9305, 0.4563,
0.2315


272.4689, 0.3792,
0.2822


 15.2821, 0.4771,
0.2184


 49.9168, 0.4271,
0.2503

 9.0176, 0.5045,
0.2015


 68.0234, 0.4165,
0.2572


 4.7527, 0.5423,
0.1790


 90.0515, 0.4077,
0.2631

 2.1029, 0.5966,
0.1479

 116.3856, 0.4002,
0.2680

 0.6662, 0.6807,
0.1017

 147.4100, 0.3938,
0.2723

 0.0000, 0.9239,
0.0000

183.5091, 0.3883,

 0.0000, 1.0000,

0.2761

0.0000

225.0672, 0.3835,
0.2793

■ 0.0000, 0.0000,
0.0000

■ 23.9305, 0.4563,
0.2315

■ 23.9305, 0.4563,
0.2315

■ 23.3331, 0.4687,
0.2356

■ 25.5665, 0.4362,
0.2288

■ 28.3798, 0.4158,
0.2315

■ 32.5620, 0.3960,
0.2390

■ 38.2689, 0.3777,
0.2502

■ 45.6354, 0.3612,
0.2639

■ 54.7812, 0.3469,
0.2788

■ 65.8149, 0.3346,
0.2942

■ 78.8363, 0.3242,
0.3093

■ 93.9383, 0.3155,
0.3239

Harmonies

Analogous

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



23.9305, 0.3012, 0.1730



23.9305, 0.4563, 0.2315



23.9305, 0.5708, 0.3052

Triad

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



23.9305, 0.4563, 0.2315



23.9305, 0.3871, 0.5816



23.9305, 0.0980, 0.1760

Complementary

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



23.9305, 0.4563, 0.2315



72.9275, 0.2776, 0.5158

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.



23.9305, 0.1076, 0.2718



23.9305, 0.4563, 0.2315



23.9305, 0.2663, 0.5985

Square

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



23.9305, 0.4563, 0.2315



23.9305, 0.5011, 0.4831



23.9305, 0.1625, 0.4491



23.9305, 0.1222, 0.1407

Rectangle

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



23.9305, 0.4563, 0.2315



23.9305, 0.5872, 0.3579



23.9305, 0.1625, 0.4491



23.9305, 0.0972, 0.1994

Sweetspot

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



23.9319, 0.4563, 0.2315



60.7845, 0.3397, 0.2875



11.2869, 0.1922, 0.0854



12.0183, 0.3451, 0.2808



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.



23.9319, 0.4563, 0.2315



23.3385, 0.4687, 0.2356



21.7598, 0.6213, 0.3239



18.1615, 0.3204, 0.3155



12.2254, 0.4656, 0.2339



1.2122, 0.4445, 0.2222

Inverse Universe

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



23.9319, 0.4563, 0.2315



23.3385, 0.4687, 0.2356



77.6180, 0.2322, 0.3535



18.1615, 0.3204, 0.3155



12.2254, 0.4656, 0.2339



1.2122, 0.4445, 0.2222

Previews

White Background



This preview shows how the Yxy color 23.9305, 0.4563, 0.2315 looks on a white background.

Color Contrast Check

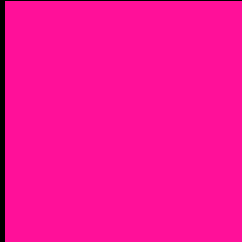
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9305, 0.4563, 0.2315 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 23.9305, 0.4563, 0.2315

Background



This preview shows how black text looks on a background with the Yxy color 23.9305, 0.4563, 0.2315.



This preview shows how white text looks on a background with the Yxy color 23.9305, 0.4563, 0.2315.

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

23.9305, 0.4563, 0.2315

Protanopia

24.3312, 0.2185, 0.2023

Deuteranopia

24.2053, 0.3170, 0.3109



Tritanopia

24.1394, 0.5724, 0.3284

Trichromacy



Original Color

23.9305, 0.4563, 0.2315



Protanomaly

18.3755, 0.2762, 0.1859



Deuteranomaly

19.5344, 0.3700, 0.2512



Tritanomaly

23.4167, 0.5405, 0.2930

Monochromacy



Original Color

23.9305, 0.4563, 0.2315



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

13.1561, 0.3769, 0.2504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9305, 0.4563, 0.2315 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(255, 16, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 16, 153)  
}
```

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(255, 16, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 16, 153) }
```

Border

The CSS property to change the border of an element to Yxy 23.9305, 0.4563, 0.2315 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(255, 16, 153) }
```

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

```
.border{ border-color:rgb(255, 16, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 16, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 16, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 16, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 16,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9305, 0.4563, 0.2315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 16, 153) }
```

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

```
.background{ background-color: rgb(255, 16,  
153) }
```

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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