

Converting Colors

$Y_{xy}(23.8203, 0.4590, 0.2325)$

Have a look what the booklet for
Yxy(23.8203, 0.4590, 0.2325)
contains.

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Color

Yxy(23.8084, 0.4598, 0.2330)

Conversions

Conversions Part 1

Format	Color
Hex	FF0E97
RGB	255, 14, 151
RGB Percent	100%, 5%, 59%
CMY	0.0000, 0.9450, 0.4079
CMYK	0.00, 0.94, 0.41, 0.00
HSL	326°, 100%, 53%
HSV	326°, 94%, 100%
XYZ	46.9833, 23.8084, 31.3903
YIQ	101.6770, 99.6590, 93.6990

Conversions

Conversions Part 2

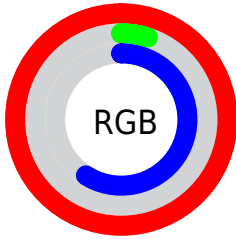
Format	Color
R _{YB}	255, 14, 151
Decimal	16715415
CIE _{Lab}	55.90, 85.45, -8.16
CIE _{LCh}	56, 85.836, 354.542
Y _{xy}	23.8084, 0.4598, 0.2330
Android (android.graphics.Color)	4294905495 (0xFFFF0E97)
YUV	101.6770, 24.3162, 134.4643
Hunter-Lab	48.7939, 86.4872, -3.9870

Details

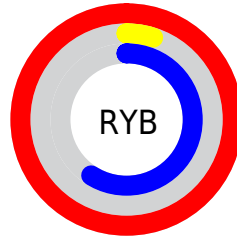
The Yxy color **23.8084, 0.4598, 0.2330** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **72.9228, 0.2775, 0.5161**, and the grayscale version is **13.1192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3683, 0.3707, 0.2296**, and **12.1266, 0.4876, 0.2460** is the 20% darker color. If you saturate the color by 10%, you get **23.3021, 0.4707, 0.2367**, and if you desaturate by 10%, it is **25.3546, 0.4394, 0.2297**.

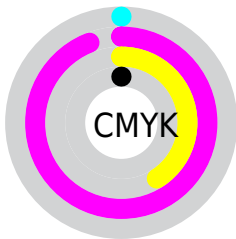
Distribution



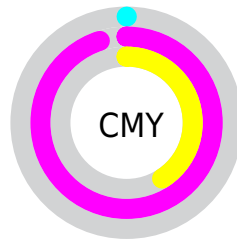
- Red (100%)
- Green (5%)
- Blue (59%)



- Red (100%)
- Yellow (5%)
- Blue (59%)



- Cyan (0%)
- Magenta (94%)
- Yellow (41%)
- Black (0%)





- Cyan (0%)
- Magenta (95%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8084, 0.4598, 0.2330 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 23.8084, 0.4598, 0.2330 by changing the saturation by 10% instead.


 23.8084, 0.4598,
0.2330


 23.8084, 0.4598,
0.2330


271.8504, 0.3806,
0.2832


 15.1916, 0.4812,
0.2200


 49.7174, 0.4298,
0.2516

 8.9539, 0.5095,
0.2031


 67.7783, 0.4189,
0.2585


 4.7111, 0.5485,
0.1805


 89.7560, 0.4098,
0.2643

 2.0788, 0.6047,
0.1492

 116.0349, 0.4021,
0.2692

 0.6527, 0.6918,
0.1021

 146.9994, 0.3956,
0.2734

 0.0000, 0.9623,
0.0000


183.0339, 0.3899,


 0.0000, 1.0000,

0.2771


0.0000

224.5227, 0.3850,
0.2803


 0.0000, 0.0000,
0.0000


 23.8084, 0.4598,
0.2330


 23.8084, 0.4598,
0.2330

 23.3021, 0.4707,
0.2367

 25.3546, 0.4394,
0.2297

 28.0615, 0.4187,
0.2319

 32.1236, 0.3986,
0.2389

 37.6992, 0.3799,
0.2498

 44.9247, 0.3631,
0.2631

■ 53.9209, 0.3484,
0.2779

■ 64.7974, 0.3358,
0.2932

■ 77.6547, 0.3251,
0.3082

■ 92.5862, 0.3162,
0.3227

Harmonies

Analogous

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



23.8084, 0.3044, 0.1740



23.8084, 0.4598, 0.2330



23.8084, 0.5723, 0.3069

Triad

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



23.8084, 0.4598, 0.2330



23.8084, 0.3843, 0.5835



23.8084, 0.0981, 0.1746

Complementary

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



23.8084, 0.4598, 0.2330



72.9228, 0.2775, 0.5161

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.



23.8084, 0.1069, 0.2687



23.8084, 0.4598, 0.2330



23.8084, 0.2636, 0.5972

Square

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



23.8084, 0.4598, 0.2330



23.8084, 0.4989, 0.4855



23.8084, 0.1606, 0.4447



23.8084, 0.1231, 0.1403

Rectangle

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



23.8084, 0.4598, 0.2330



23.8084, 0.5870, 0.3597



23.8084, 0.1606, 0.4447



23.8084, 0.0971, 0.1975

Sweetspot

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



23.8088, 0.4598, 0.2330



60.7666, 0.3400, 0.2878



11.1417, 0.1913, 0.0846



12.0140, 0.3454, 0.2812



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.



23.8088, 0.4598, 0.2330



23.3021, 0.4707, 0.2367



21.6911, 0.6232, 0.3243



18.1601, 0.3205, 0.3156



12.2064, 0.4676, 0.2349



1.2104, 0.4462, 0.2231

Inverse Universe

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



23.8088, 0.4598, 0.2330



23.3021, 0.4707, 0.2367



77.6071, 0.2321, 0.3538



18.1601, 0.3205, 0.3156



12.2064, 0.4676, 0.2349



1.2104, 0.4462, 0.2231

Previews

White Background



This preview shows how the Yxy color 23.8084, 0.4598, 0.2330 looks on a white background.

Color Contrast Check

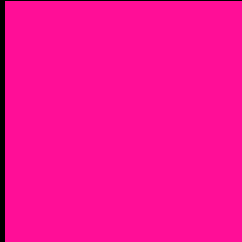
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8084, 0.4598, 0.2330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

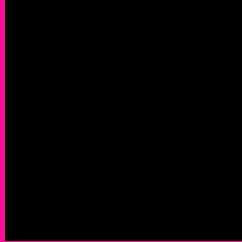
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8084, 0.4598, 0.2330

Background



This preview shows how black text looks on a background with the Yxy color 23.8084, 0.4598, 0.2330.



This preview shows how white text looks on a background with the Yxy color 23.8084, 0.4598, 0.2330.

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

23.8084, 0.4598, 0.2330

Protanopia

24.3440, 0.2207, 0.2048

Deuteranopia

24.1458, 0.3191, 0.3142



Tritanopia

24.0093, 0.5752, 0.3291

Trichromacy



Original Color

23.8084, 0.4598, 0.2330



Protanomaly

18.2196, 0.2792, 0.1871



Deuteranomaly

19.3074, 0.3732, 0.2526



Tritanomaly

23.3050, 0.5438, 0.2943

Monochromacy



Original Color

23.8084, 0.4598, 0.2330



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

13.0055, 0.3790, 0.2504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8084, 0.4598, 0.2330 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, 14, 151)` looks like.

```
.text, #text, p{  
  color:rgb(255, 14, 151)  
}
```

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, 14, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 14, 151) }
```

Border

The CSS property to change the border of an element to Yxy 23.8084, 0.4598, 0.2330 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, 14, 151) }
```

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

```
.border{ border-color:rgb(255, 14, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 14, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 14, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 14, 151);  
box-shadow:4px 4px 4px 4px rgb(255, 14,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8084, 0.4598, 0.2330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 14, 151) }
```

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

```
.background{ background-color: rgb(255, 14,  
151) }
```

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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