

Converting Colors

$Y_{xy}(23.8511, 0.4281, 0.2282)$

Have a look what the booklet for
Yxy(23.8511, 0.4281, 0.2282)
contains.

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Color

Yxy(23.8393, 0.4281, 0.2280)

Conversions

Conversions Part 1

Format	Color
Hex	F42FA1
RGB	244, 47, 161
RGB Percent	96%, 18%, 63%
CMY	0.0431, 0.8158, 0.3687
CMYK	0.00, 0.81, 0.34, 0.04
HSL	325°, 90%, 57%
HSV	325°, 81%, 96%
XYZ	44.7614, 23.8393, 35.9576
YIQ	118.8990, 80.8180, 77.2180

Conversions

Conversions Part 2

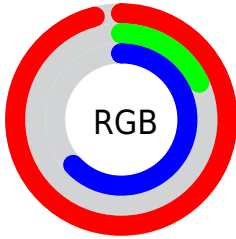
Format	Color
R_{YB}	244, 47, 161
Decimal	16002977
CIE _{Lab}	55.93, 78.98, -14.23
CIE _{LCh}	56, 80.252, 349.786
Yxy	23.8393, 0.4281, 0.2280
Android (android.graphics.Color)	4294193057 (0xFFFF42FA1)
YUV	118.8990, 20.7558, 109.7136
Hunter-Lab	48.8255, 78.1976, -9.4863

Details

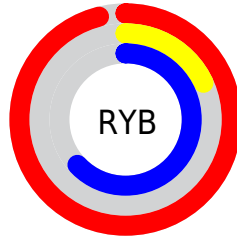
The Yxy color **23.8393, 0.4281, 0.2280** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **66.9268, 0.2751, 0.4902**, and the grayscale version is **18.3259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4793, 0.3568, 0.2297**, and **11.0492, 0.4543, 0.2276** is the 20% darker color. If you saturate the color by 10%, you get **22.0573, 0.4480, 0.2289**, and if you desaturate by 10%, it is **26.7423, 0.4082, 0.2324**.

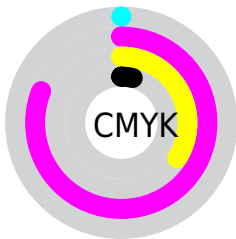
Distribution



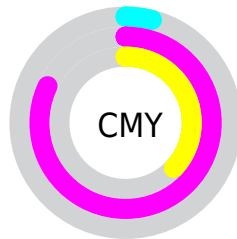
- Red (96%)
- Green (18%)
- Blue (63%)



- Red (96%)
- Yellow (18%)
- Blue (63%)



- Cyan (0%)
- Magenta (81%)
- Yellow (34%)
- Black (4%)





- Cyan (4%)
- Magenta (82%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8393, 0.4281, 0.2280 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 23.8393, 0.4281, 0.2280 by changing the saturation by 10% instead.


 23.8393, 0.4281,
0.2280


 23.8393, 0.4281,
0.2280


272.0070, 0.3667,
0.2797


 15.2145, 0.4445,
0.2149


 49.7678, 0.4050,
0.2470


 8.9700, 0.4662,
0.1981


 67.8403, 0.3965,
0.2541


 4.7216, 0.4959,
0.1758


 89.8308, 0.3895,
0.2600

 2.0849, 0.5389,
0.1454

 116.1237, 0.3835,
0.2651

 0.6561, 0.6067,
0.1003

 147.1033, 0.3784,
0.2695

 0.0000, 0.7698,
0.0000

183.1542, 0.3740,

 0.0000, 1.0000,

0.2734

0.0000

224.6606, 0.3701,
0.2767

■ 0.0000, 0.0000,
0.0000

■ 23.8393, 0.4281,
0.2280

■ 23.8393, 0.4281,
0.2280

■ 22.0573, 0.4480,
0.2289

■ 26.7423, 0.4082,
0.2324


■ 21.1649, 0.4659,
0.2340


■ 30.9218, 0.3892,
0.2413

■ 36.5127, 0.3717,
0.2534


■ 43.6314, 0.3561,
0.2677

■ 52.3823, 0.3426,
0.2829

 62.8603, 0.3311,
0.2984

 75.1532, 0.3214,
0.3135

 89.3427, 0.3133,
0.3280

 97.8817, 0.3068,
0.3304

Harmonies

Analogous

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



23.8393, 0.2847, 0.1743



23.8393, 0.4281, 0.2280



23.8393, 0.5462, 0.2988

Triad

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



23.8393, 0.4281, 0.2280



23.8393, 0.4040, 0.5596



23.8393, 0.1060, 0.1930

Complementary

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



23.8393, 0.4281, 0.2280



66.9268, 0.2751, 0.4902

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.



23.8393, 0.1216, 0.2955



23.8393, 0.4281, 0.2280



23.8393, 0.2878, 0.5863

Square

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



23.8393, 0.4281, 0.2280



23.8393, 0.5083, 0.4674



23.8393, 0.1831, 0.4654



23.8393, 0.1251, 0.1515

Rectangle

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



23.8393, 0.4281, 0.2280



23.8393, 0.5733, 0.3500



23.8393, 0.1831, 0.4654



23.8393, 0.1070, 0.2189

Sweetspot

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



23.8406, 0.4281, 0.2280



65.4236, 0.3347, 0.2933



13.2377, 0.2089, 0.1047



13.1198, 0.3388, 0.2878



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.



23.8406, 0.4281, 0.2280



23.6532, 0.4605, 0.2323



21.6310, 0.5793, 0.3193



16.6433, 0.3203, 0.3154



11.5345, 0.4629, 0.2324



1.0343, 0.4402, 0.2199

Inverse Universe

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



23.8406, 0.4281, 0.2280



23.6532, 0.4605, 0.2323



70.8940, 0.2343, 0.3498



16.6433, 0.3203, 0.3154



11.5345, 0.4629, 0.2324



1.0343, 0.4402, 0.2199

Previews

White Background



This preview shows how the Yxy color 23.8393, 0.4281, 0.2280 looks on a white background.

Color Contrast Check

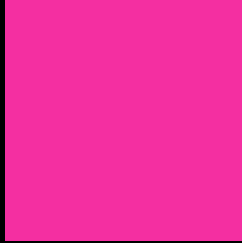
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8393, 0.4281, 0.2280 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 23.8393, 0.4281, 0.2280

Background



This preview shows how black text looks on a background with the Yxy color 23.8393, 0.4281, 0.2280.



This preview shows how white text looks on a background with the Yxy color 23.8393, 0.4281, 0.2280.

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

23.8393, 0.4281, 0.2280

Protanopia

24.3263, 0.2174, 0.2011

Deuteranopia

24.0424, 0.3020, 0.2961



Tritanopia

23.7738, 0.5377, 0.3262

Trichromacy



Original Color

23.8393, 0.4281, 0.2280



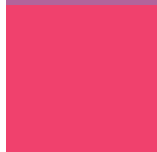
Protanomaly

20.0600, 0.2681, 0.1935



Deuteranomaly

20.9459, 0.3461, 0.2514



Tritanomaly

23.4100, 0.5020, 0.2896

Monochromacy



Original Color

23.8393, 0.4281, 0.2280



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.4424, 0.3584, 0.2657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8393, 0.4281, 0.2280 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(244, 47, 161)` looks like.

```
.text, #text, p{  
  color:rgb(244, 47, 161)  
}
```

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(244, 47, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 47, 161) }
```

Border

The CSS property to change the border of an element to Yxy 23.8393, 0.4281, 0.2280 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(244, 47, 161) }
```

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

```
.border{ border-color:rgb(244, 47, 161) }
```

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

Here you see how a box with a 4 pixel rgb(244, 47, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 47, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 47, 161);  
box-shadow:4px 4px 4px 4px rgb(244, 47,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8393, 0.4281, 0.2280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 47, 161) }
```

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

```
.background{ background-color: rgb(244, 47,  
161) }
```

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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