

Converting Colors

$Y_{xy}(22.8826, 0.5165, 0.2912)$

Have a look what the booklet for
Yxy(22.8826, 0.5165, 0.2912)
contains.

Yxy(22.8826, 0.5165, 0.2912)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.8826, 0.5165, 0.2912)

Conversions

Conversions Part 1

Format	Color
Hex	F23A67
RGB	242, 58, 103
RGB Percent	95%, 23%, 40%
CMY	0.0509, 0.7727, 0.5961
CMYK	0.00, 0.76, 0.57, 0.05
HSL	345°, 88%, 59%
HSV	345°, 76%, 95%
XYZ	40.5868, 22.8826, 15.1110
YIQ	118.1460, 95.2190, 53.0030

Conversions

Conversions Part 2

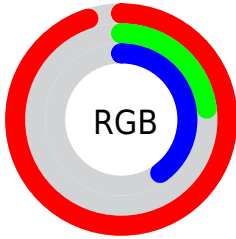
Format	Color
R_{YB}	242, 58, 103
Decimal	15874663
CIE _{Lab}	54.95, 70.69, 18.78
CIE _{LCh}	55, 73.146, 14.879
Yxy	22.8826, 0.5165, 0.2912
Android (android.graphics.Color)	4294064743 (0xFFFF23A67)
YUV	118.1460, -7.4670, 108.6200
Hunter-Lab	47.8358, 67.7376, 14.7557

Details

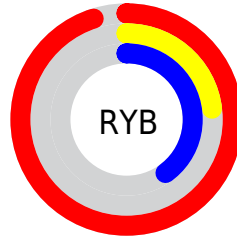
The Yxy color **22.8826, 0.5165, 0.2912** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **68.4501, 0.2480, 0.3895**, and the grayscale version is **18.1615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0260, 0.4279, 0.2946**, and **9.8791, 0.5690, 0.2908** is the 20% darker color. If you saturate the color by 10%, you get **20.6641, 0.5549, 0.2953**, and if you desaturate by 10%, it is **26.3292, 0.4768, 0.2911**.

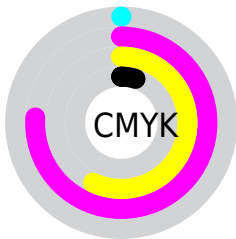
Distribution



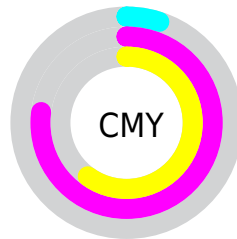
- Red (95%)
- Green (23%)
- Blue (40%)



- Red (95%)
- Yellow (23%)
- Blue (40%)



- Cyan (0%)
- Magenta (76%)
- Yellow (57%)
- Black (5%)





- Cyan (5%)
- Magenta (77%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8826, 0.5165, 0.2912 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 22.8826, 0.5165, 0.2912 by changing the saturation by 10% instead.


 22.8826, 0.5165,
0.2912


 22.8826, 0.5165,
0.2912


267.1214, 0.4032,
0.3171


 14.5068, 0.5479,
0.2820


 48.2005, 0.4728,
0.3025

 8.4740, 0.5895,
0.2685

 65.9114, 0.4571,
0.3062

 4.3997, 0.6460,
0.2474

 87.5028, 0.4442,
0.3090

 1.8996, 0.7302,
0.2145

 113.3592, 0.4333,
0.3113

 0.5481, 0.8527,
0.1473

 143.8648, 0.4241,
0.3132

 0.0000, 1.0000,
0.0000

179.4041, 0.4161,

 0.0000, 0.0000,

0.3147

0.0000

220.3615, 0.4092,
0.3160

■ 22.8826, 0.5165,
0.2912

■ 22.8826, 0.5165,
0.2912

■ 20.6641, 0.5549,
0.2953

■ 26.3292, 0.4768,
0.2911

■ 19.4883, 0.5875,
0.3035


■ 31.1470, 0.4394,
0.2942


■ 19.2004, 0.5985,
0.3071


■ 37.4631, 0.4063,
0.2994

■ 45.3892, 0.3782,
0.3057

■ 55.0262, 0.3549,
0.3124

 66.4669, 0.3360,
0.3190

 79.7972, 0.3206,
0.3254

 95.0974, 0.3081,
0.3313

 97.6223, 0.3048,
0.3290

Harmonies

Analogous

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



22.8826, 0.3979, 0.2245



22.8826, 0.5165, 0.2912



22.8826, 0.5567, 0.3662

Triad

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



22.8826, 0.5165, 0.2912



22.8826, 0.3112, 0.5700



22.8826, 0.1294, 0.1651

Complementary

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



22.8826, 0.5165, 0.2912



68.4501, 0.2480, 0.3895

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.



22.8826, 0.1165, 0.2139



22.8826, 0.5165, 0.2912



22.8826, 0.2072, 0.4791

Square

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



22.8826, 0.5165, 0.2912



22.8826, 0.4208, 0.5354



22.8826, 0.1392, 0.3222



22.8826, 0.1772, 0.1559

Rectangle

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



22.8826, 0.5165, 0.2912



22.8826, 0.5348, 0.4210



22.8826, 0.1392, 0.3222



22.8826, 0.1214, 0.1762

Sweetspot

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



22.8839, 0.5165, 0.2912



65.5862, 0.3489, 0.3144



21.1721, 0.2733, 0.1436



13.1007, 0.3563, 0.3119



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.



22.8839, 0.5165, 0.2912



22.4461, 0.5728, 0.2991



29.0837, 0.5373, 0.3691



15.8223, 0.3255, 0.3232



10.3299, 0.5945, 0.3049



0.8746, 0.5578, 0.2846

Inverse Universe

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



22.8839, 0.5165, 0.2912



22.4461, 0.5728, 0.2991



46.7961, 0.2139, 0.2668



15.8223, 0.3255, 0.3232



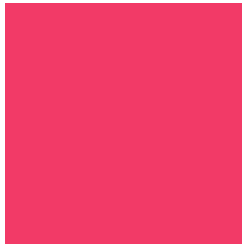
10.3299, 0.5945, 0.3049



0.8746, 0.5578, 0.2846

Previews

White Background



This preview shows how the Yxy color 22.8826, 0.5165, 0.2912 looks on a white background.

Color Contrast Check

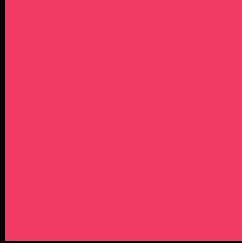
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8826, 0.5165, 0.2912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

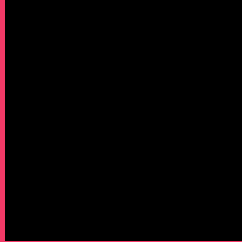
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8826, 0.5165, 0.2912

Background



This preview shows how black text looks on a background with the Yxy color 22.8826, 0.5165, 0.2912.

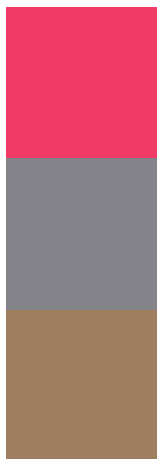


This preview shows how white text looks on a background with the Yxy color 22.8826, 0.5165, 0.2912.

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

22.8826, 0.5165, 0.2912

Protanopia

23.0541, 0.3076, 0.3169

Deuteranopia

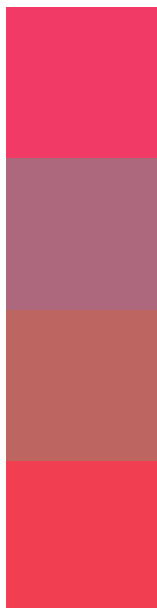
22.8980, 0.3894, 0.3812



Tritanopia

22.8390, 0.5594, 0.3282

Trichromacy



Original Color

22.8826, 0.5165, 0.2912

Protanomaly

20.2655, 0.3801, 0.2976

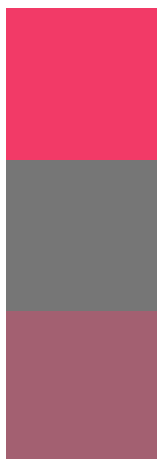
Deuteranomaly

20.8618, 0.4422, 0.3349

Tritanomaly

22.8499, 0.5454, 0.3152

Monochromacy



Original Color

22.8826, 0.5165, 0.2912

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.3445, 0.3879, 0.3021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8826, 0.5165, 0.2912 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(242, 58, 103)` looks like.

```
.text, #text, p{  
    color:rgb(242, 58, 103)  
}
```

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(242, 58, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 58, 103) }
```

Border

The CSS property to change the border of an element to Yxy 22.8826, 0.5165, 0.2912 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(242, 58, 103) }
```

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

```
.border{ border-color:rgb(242, 58, 103) }
```

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

Here you see how a box with a 4 pixel rgb(242, 58, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 58, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 58, 103);  
box-shadow:4px 4px 4px 4px rgb(242, 58,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8826, 0.5165, 0.2912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 58, 103) }
```

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

```
.background{ background-color: rgb(242, 58,  
103) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor