

Converting Colors

$Yxy(23.8727, 0.4541, 0.2582)$

Have a look what the booklet for
Yxy(23.8727, 0.4541, 0.2582)
contains.

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Color

Yxy(23.8525, 0.4552, 0.2584)

Conversions

Conversions Part 1

Format	Color
Hex	EF408A
RGB	239, 64, 138
RGB Percent	94%, 25%, 54%
CMY	0.0627, 0.7490, 0.4588
CMYK	0.00, 0.73, 0.42, 0.06
HSL	335°, 85%, 59%
HSV	335°, 73%, 94%
XYZ	42.0188, 23.8525, 26.4371
YIQ	124.7610, 80.5460, 60.1140

Conversions

Conversions Part 2

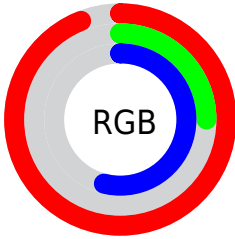
Format	Color
R_{YB}	239, 64, 138
Decimal	15679626
CIE _{Lab}	55.94, 70.81, -0.74
CIE _{LCh}	56, 70.813, 359.404
Yxy	23.8525, 0.4552, 0.2584
Android (android.graphics.Color)	4293869706 (0xFFEF408A)
YUV	124.7610, 6.5268, 100.1876
Hunter-Lab	48.8390, 68.1047, 2.0929

Details

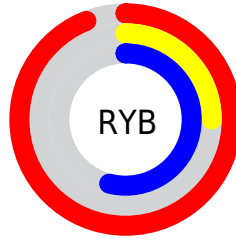
The Yxy color **23.8525, 0.4552, 0.2584** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle muted rose. A complement of this color would be **65.5417, 0.2626, 0.4327**, and the grayscale version is **20.3823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6888, 0.3825, 0.2619**, and **10.1696, 0.4977, 0.2516** is the 20% darker color. If you saturate the color by 10%, you get **21.3366, 0.4850, 0.2586**, and if you desaturate by 10%, it is **27.5756, 0.4264, 0.2629**.

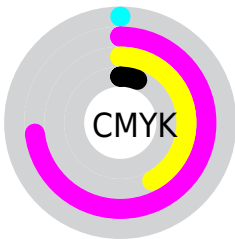
Distribution



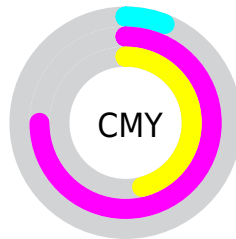
- Red (94%)
- Green (25%)
- Blue (54%)



- Red (94%)
- Yellow (25%)
- Blue (54%)



- Cyan (0%)
- Magenta (73%)
- Yellow (42%)
- Black (6%)




- Cyan (6%)
- Magenta (75%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8525, 0.4552, 0.2584 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 23.8525, 0.4552, 0.2584 by changing the saturation by 10% instead.


 23.8525, 0.4552,
0.2584


 23.8525, 0.4552,
0.2584


272.0739, 0.3771,
0.2970


 15.2242, 0.4769,
0.2477


 49.7894, 0.4252,
0.2732


 8.9769, 0.5060,
0.2334


 67.8668, 0.4144,
0.2785

 4.7261, 0.5469,
0.2135

 89.8628, 0.4055,
0.2829

 2.0875, 0.6074,
0.1840

 116.1616, 0.3980,
0.2866

 0.6576, 0.7070,
0.1352

 147.1477, 0.3916,
0.2898

 0.0000, 1.0000,
0.0000

183.2056, 0.3861,

 0.0000, 0.0000,

0.2925

0.0000

224.7195, 0.3814,
0.2949

■ 23.8525, 0.4552,
0.2584

■ 23.8525, 0.4552,
0.2584

■ 21.3366, 0.4850,
0.2586

■ 27.5756, 0.4264,
0.2629

■ 19.8630, 0.5139,
0.2643


■ 32.6350, 0.4002,
0.2708

■ 19.2923, 0.5323,
0.2706

■ 39.1472, 0.3771,
0.2810


■ 47.2148, 0.3574,
0.2922

■ 56.9312, 0.3408,
0.3037

 68.3823, 0.3272,
0.3150

 81.6479, 0.3159,
0.3257

 96.6707, 0.3067,
0.3355

 97.0913, 0.3029,
0.3290

Harmonies

Analogous

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



23.8525, 0.3277, 0.2012



23.8525, 0.4552, 0.2584



23.8525, 0.5381, 0.3285

Triad

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



23.8525, 0.4552, 0.2584



23.8525, 0.3689, 0.5545



23.8525, 0.1245, 0.1898

Complementary

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



23.8525, 0.4552, 0.2584



65.5417, 0.2626, 0.4327

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.



23.8525, 0.1295, 0.2650



23.8525, 0.4552, 0.2584



23.8525, 0.2620, 0.5314

Square

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



23.8525, 0.4552, 0.2584



23.8525, 0.4685, 0.4894



23.8525, 0.1742, 0.3990



23.8525, 0.1531, 0.1622

Rectangle

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



23.8525, 0.4552, 0.2584



23.8525, 0.5459, 0.3790



23.8525, 0.1742, 0.3990



23.8525, 0.1224, 0.2086

Sweetspot

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



23.8538, 0.4552, 0.2584



67.3683, 0.3391, 0.3050



17.7040, 0.2436, 0.1325



13.7089, 0.3432, 0.3019



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.



23.8538, 0.4552, 0.2584



23.7126, 0.4999, 0.2608



23.8452, 0.5558, 0.3391



15.8698, 0.3227, 0.3191



10.6859, 0.5283, 0.2684



0.9084, 0.4945, 0.2498

Inverse Universe

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



23.8538, 0.4552, 0.2584



23.7126, 0.4999, 0.2608



62.4449, 0.2274, 0.3137



15.8698, 0.3227, 0.3191



10.6859, 0.5283, 0.2684



0.9084, 0.4945, 0.2498

Previews

White Background



This preview shows how the Yxy color 23.8525, 0.4552, 0.2584 looks on a white background.

Color Contrast Check

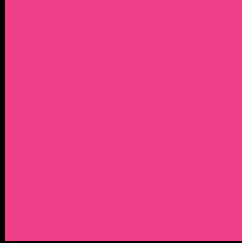
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8525, 0.4552, 0.2584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

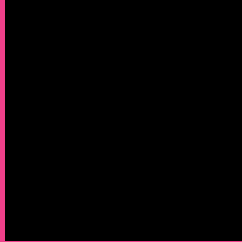
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8525, 0.4552, 0.2584

Background



This preview shows how black text looks on a background with the Yxy color 23.8525, 0.4552, 0.2584.



This preview shows how white text looks on a background with the Yxy color 23.8525, 0.4552, 0.2584.

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

23.8525, 0.4552, 0.2584

Protanopia

24.1353, 0.2575, 0.2535

Deuteranopia

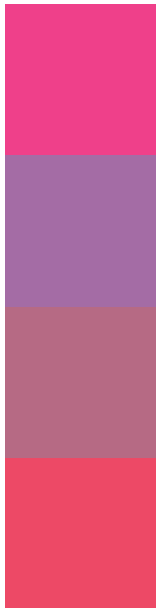
23.9398, 0.3362, 0.3307



Tritanopia

23.8908, 0.5300, 0.3260

Trichromacy



Original Color

23.8525, 0.4552, 0.2584

Protanomaly

21.3342, 0.3154, 0.2450

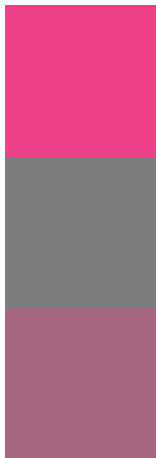
Deuteranomaly

21.9191, 0.3811, 0.2919

Tritanomaly

23.7289, 0.5059, 0.3023

Monochromacy



Original Color

23.8525, 0.4552, 0.2584

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.4192, 0.3640, 0.2873

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8525, 0.4552, 0.2584 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(239, 64, 138)` looks like.

```
.text, #text, p{  
    color:rgb(239, 64, 138)  
}
```

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(239, 64, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 64, 138) }
```

Border

The CSS property to change the border of an element to Yxy 23.8525, 0.4552, 0.2584 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(239, 64, 138) }
```

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

```
.border{ border-color:rgb(239, 64, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 64, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 64, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 64, 138);  
box-shadow:4px 4px 4px 4px rgb(239, 64,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8525, 0.4552, 0.2584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 64, 138) }
```

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

```
.background{ background-color: rgb(239, 64,  
138) }
```

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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