

Converting Colors

$Y_{xy}(23.8600, 0.4494, 0.2653)$

Have a look what the booklet for
Yxy(23.8600, 0.4494, 0.2653)
contains.

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Color

Yxy(23.8663, 0.4489, 0.2650)

Conversions

Conversions Part 1

Format	Color
Hex	E94988
RGB	233, 73, 136
RGB Percent	91%, 29%, 53%
CMY	0.0863, 0.7136, 0.4667
CMYK	0.00, 0.69, 0.42, 0.09
HSL	336°, 78%, 60%
HSV	336°, 69%, 91%
XYZ	40.4286, 23.8663, 25.7666
YIQ	128.0220, 75.1370, 53.5130

Conversions

Conversions Part 2

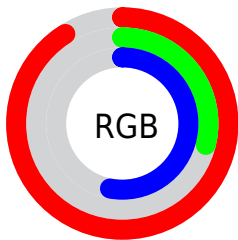
Format	Color
R_{YB}	233, 73, 136
Decimal	15288712
CIE _{Lab}	55.95, 65.88, 0.35
CIE _{LCh}	56, 65.884, 0.305
Yxy	23.8663, 0.4489, 0.2650
Android (android.graphics.Color)	4293478792 (0xFFE94988)
YUV	128.0220, 3.9332, 92.0657
Hunter-Lab	48.8531, 62.2254, 2.9259

Details

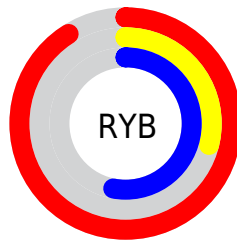
The Yxy color **23.8663, 0.4489, 0.2650** is a dark color, and the websafe version is hex **FF6699**. The color can be described as middle muted rose. A complement of this color would be **62.5936, 0.2613, 0.4179**, and the grayscale version is **21.5640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4367, 0.3831, 0.2705**, and **9.4588, 0.4924, 0.2486** is the 20% darker color. If you saturate the color by 10%, you get **20.9817, 0.4802, 0.2635**, and if you desaturate by 10%, it is **27.9526, 0.4194, 0.2706**.

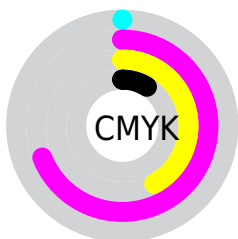
Distribution



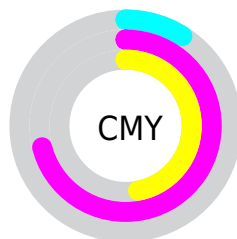
- Red (91%)
- Green (29%)
- Blue (53%)



- Red (91%)
- Yellow (29%)
- Blue (53%)



- Cyan (0%)
- Magenta (69%)
- Yellow (42%)
- Black (9%)




- Cyan (9%)
- Magenta (71%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8663, 0.4489, 0.2650 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 23.8663, 0.4489, 0.2650 by changing the saturation by 10% instead.


 23.8663, 0.4489,
0.2650


 23.8663, 0.4489,
0.2650


272.1438, 0.3740,
0.3003


 15.2345, 0.4699,
0.2551


 49.8119, 0.4200,
0.2786

 8.9841, 0.4981,
0.2418


 67.8945, 0.4097,
0.2835

 4.7308, 0.5380,
0.2229

 89.8962, 0.4012,
0.2875

 2.0902, 0.5976,
0.1946

 116.2012, 0.3940,
0.2909

 0.6591, 0.6993,
0.1466

 147.1942, 0.3879,
0.2937

 0.0000, 1.0000,
0.0000

183.2593, 0.3826,

 0.0000, 0.0000,

0.2962

0.0000

224.7811, 0.3781,
0.2984

■ 23.8663, 0.4489,
0.2650

■ 23.8663, 0.4489,
0.2650

■ 20.9817, 0.4802,
0.2635

■ 27.9526, 0.4194,
0.2706

■ 19.1572, 0.5114,
0.2671

■ 33.3533, 0.3931,
0.2790


■ 18.1914, 0.5403,
0.2758


■ 40.1723, 0.3704,
0.2890


■ 18.0901, 0.5440,
0.2771


■ 48.5022, 0.3512,
0.2996

■ 58.4273, 0.3353,
0.3103

 70.0260, 0.3221,
0.3206

 83.3713, 0.3114,
0.3303

 95.6827, 0.3026,
0.3349

 96.0623, 0.2993,
0.3290

Harmonies

Analogous

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



23.8663, 0.3309, 0.2095



23.8663, 0.4489, 0.2650



23.8663, 0.5247, 0.3331

Triad

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



23.8663, 0.4489, 0.2650



23.8663, 0.3658, 0.5407



23.8663, 0.1341, 0.1969

Complementary

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



23.8663, 0.4489, 0.2650



62.5936, 0.2613, 0.4179

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.



23.8663, 0.1385, 0.2676



23.8663, 0.4489, 0.2650



23.8663, 0.2642, 0.5125

Square

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



23.8663, 0.4489, 0.2650



23.8663, 0.4599, 0.4855



23.8663, 0.1812, 0.3903



23.8663, 0.1627, 0.1706

Rectangle

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



23.8663, 0.4489, 0.2650



23.8663, 0.5319, 0.3821



23.8663, 0.1812, 0.3903



23.8663, 0.1318, 0.2147

Sweetspot

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



23.8676, 0.4489, 0.2650



68.5458, 0.3389, 0.3077



19.0860, 0.2543, 0.1451



13.9344, 0.3432, 0.3047



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.



23.8676, 0.4489, 0.2650



24.7704, 0.4920, 0.2642



24.9514, 0.5299, 0.3445



15.1523, 0.3231, 0.3198



10.2882, 0.5400, 0.2749



0.8263, 0.5031, 0.2545

Inverse Universe

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



23.8676, 0.4489, 0.2650



24.7704, 0.4920, 0.2642



56.9232, 0.2284, 0.3076



15.1523, 0.3231, 0.3198



10.2882, 0.5400, 0.2749



0.8263, 0.5031, 0.2545

Previews

White Background



This preview shows how the Yxy color 23.8663, 0.4489, 0.2650 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 23.8663, 0.4489, 0.2650 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 23.8663, 0.4489, 0.2650

Background



This preview shows how black text looks on a background with the Yxy color 23.8663, 0.4489, 0.2650.



This preview shows how white text looks on a background with the Yxy color 23.8663, 0.4489, 0.2650.

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

23.8663, 0.4489, 0.2650

Protanopia

24.0773, 0.2657, 0.2639

Deuteranopia

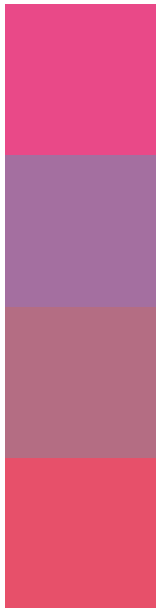
24.0078, 0.3386, 0.3324



Tritanopia

23.8849, 0.5112, 0.3247

Trichromacy



Original Color

23.8663, 0.4489, 0.2650

Protanomaly

21.7995, 0.3210, 0.2560

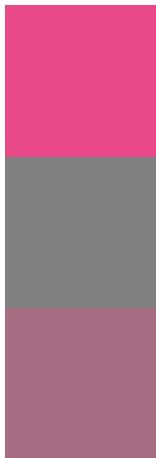
Deuteranomaly

22.2793, 0.3788, 0.2973

Tritanomaly

23.7669, 0.4902, 0.3032

Monochromacy



Original Color

23.8663, 0.4489, 0.2650

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.4708, 0.3611, 0.2935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8663, 0.4489, 0.2650 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(233, 73, 136)` looks like.

```
.text, #text, p{  
    color:rgb(233, 73, 136)  
}
```

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(233, 73, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 73, 136) }
```

Border

The CSS property to change the border of an element to Yxy 23.8663, 0.4489, 0.2650 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(233, 73, 136) }
```

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

```
.border{ border-color:rgb(233, 73, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 73, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 73, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 73, 136);  
box-shadow:4px 4px 4px 4px rgb(233, 73,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8663, 0.4489, 0.2650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 73, 136) }
```

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

```
.background{ background-color: rgb(233, 73,  
136) }
```

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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