

Converting Colors

$Y_{xy}(26.9300, 0.3986, 0.2440)$

Have a look what the booklet for
Yxy(26.9300, 0.3986, 0.2440)
contains.

Yxy(26.9300, 0.3986, 0.2440)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.9300, 0.3986, 0.2440)

Conversions

Conversions Part 1

Format	Color
Hex	E957A7
RGB	233, 87, 167
RGB Percent	91%, 34%, 65%
CMY	0.0862, 0.6589, 0.3450
CMYK	0.00, 0.63, 0.28, 0.09
HSL	327°, 77%, 63%
HSV	327°, 63%, 91%
XYZ	43.9930, 26.9300, 39.4458
YIQ	139.7740, 61.3360, 55.8320

Conversions

Conversions Part 2

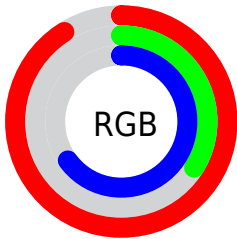
Format	Color
R _Y B	233, 87, 167
Decimal	15292327
CIE Lab	58.91, 63.88, -13.42
CIE LCh	59, 65.278, 348.136
Yxy	26.9300, 0.3986, 0.2440
Android (android.graphics.Color)	4293482407 (0xFFE957A7)
YUV	139.7740, 13.4224, 81.7592
Hunter-Lab	51.8941, 60.5079, -8.7417

Details

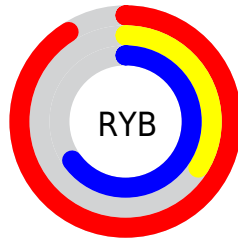
The Yxy color **26.9300, 0.3986, 0.2440** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **62.6134, 0.2742, 0.4422**, and the grayscale version is **26.0614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4804, 0.3470, 0.2505**, and **10.5547, 0.4256, 0.2186** is the 20% darker color. If you saturate the color by 10%, you get **23.3747, 0.4196, 0.2365**, and if you desaturate by 10%, it is **31.7369, 0.3793, 0.2550**.

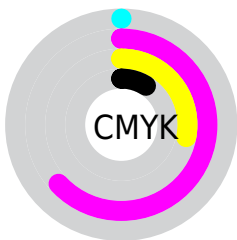
Distribution



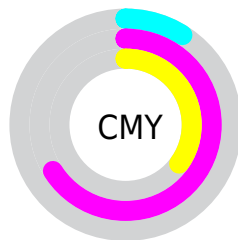
- Red (91%)
- Green (34%)
- Blue (65%)



- Red (91%)
- Yellow (34%)
- Blue (65%)



- Cyan (0%)
- Magenta (63%)
- Yellow (28%)
- Black (9%)




- Cyan (9%)
- Magenta (66%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9300, 0.3986, 0.2440 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 26.9300, 0.3986, 0.2440 by changing the saturation by 10% instead.

 26.9300, 0.3986,
0.2440


 26.9300, 0.3986,
0.2440


287.3180, 0.3535,
0.2873


 17.5207, 0.4105,
0.2331


 54.7715, 0.3817,
0.2599


 10.6064, 0.4262,
0.2190


 73.9725, 0.3755,
0.2658

 5.8028, 0.4477,
0.2002


 97.2061, 0.3703,
0.2708

 2.7256, 0.4787,
0.1742

 124.8568, 0.3659,
0.2750

 0.9902, 0.5270,
0.1366

157.3089, 0.3622,
0.2787

 0.0000, 0.6648,
0.0000

194.9469, 0.3589,

 0.0000, 1.0000,

0.2819

0.0000

238.1552, 0.3560,
0.2848

■ 0.0000, 0.0000,
0.0000

■ 26.9300, 0.3986,
0.2440

■ 26.9300, 0.3986,
0.2440

■ 23.3747, 0.4196,
0.2365

■ 31.7369, 0.3793,
0.2550

■ 20.9440, 0.4414,
0.2336

■ 37.8979, 0.3621,
0.2682


■ 19.4913, 0.4630,
0.2362

■ 45.5093, 0.3472,
0.2826


■ 18.8774, 0.4784,
0.2409

■ 54.6577, 0.3344,
0.2973

■ 65.4227, 0.3237,
0.3117

 77.8785, 0.3148,
0.3255

 92.0944, 0.3074,
0.3384

 95.8288, 0.3014,
0.3327

 96.0668, 0.2994,
0.3290

Harmonies

Analogous

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



26.9300, 0.2866, 0.1980



26.9300, 0.3986, 0.2440



26.9300, 0.4937, 0.3066

Triad

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



26.9300, 0.3986, 0.2440



26.9300, 0.4042, 0.5168



26.9300, 0.1381, 0.2245

Complementary

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



26.9300, 0.3986, 0.2440



62.6134, 0.2742, 0.4422

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.



26.9300, 0.1572, 0.3136



26.9300, 0.3986, 0.2440



26.9300, 0.3067, 0.5265

Square

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



26.9300, 0.3986, 0.2440



26.9300, 0.4850, 0.4516



26.9300, 0.2157, 0.4397



26.9300, 0.1529, 0.1827

Rectangle

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



26.9300, 0.3986, 0.2440



26.9300, 0.5221, 0.3528



26.9300, 0.2157, 0.4397



26.9300, 0.1405, 0.2484

Sweetspot

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



26.9314, 0.3986, 0.2440



71.5569, 0.3304, 0.3025



19.4415, 0.2403, 0.1497



14.5392, 0.3336, 0.2983



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.



26.9314, 0.3986, 0.2440



27.7467, 0.4254, 0.2352



24.9541, 0.5044, 0.3223



15.1922, 0.3207, 0.3162



10.7349, 0.4754, 0.2392



0.8623, 0.4481, 0.2242

Inverse Universe

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



26.9314, 0.3986, 0.2440



27.7467, 0.4254, 0.2352



65.7893, 0.2404, 0.3382



15.1922, 0.3207, 0.3162



10.7349, 0.4754, 0.2392



0.8623, 0.4481, 0.2242

Previews

White Background



This preview shows how the Yxy color 26.9300, 0.3986, 0.2440 looks on a white background.

Color Contrast Check

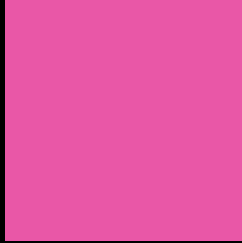
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.9300, 0.3986, 0.2440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

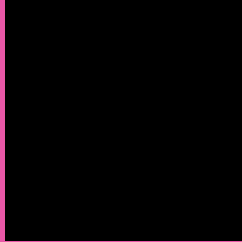
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.9300, 0.3986, 0.2440

Background



This preview shows how black text looks on a background with the Yxy color 26.9300, 0.3986, 0.2440.



This preview shows how white text looks on a background with the Yxy color 26.9300, 0.3986, 0.2440.

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

26.9300, 0.3986, 0.2440

Protanopia

27.2534, 0.2430, 0.2340

Deuteranopia

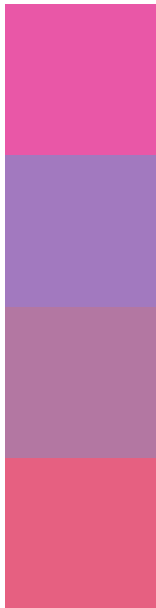
26.9761, 0.3025, 0.2961



Tritanopia

26.8841, 0.4711, 0.3218

Trichromacy



Original Color

26.9300, 0.3986, 0.2440

Protanomaly

25.1177, 0.2863, 0.2310

Deuteranomaly

25.3860, 0.3355, 0.2686

Tritanomaly

26.7737, 0.4464, 0.2931

Monochromacy



Original Color

26.9300, 0.3986, 0.2440

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

24.8754, 0.3435, 0.2867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9300, 0.3986, 0.2440 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, 87, 167)` looks like.

```
.text, #text, p{  
    color:rgb(233, 87, 167)  
}
```

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, 87, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 87, 167) }
```

Border

The CSS property to change the border of an element to Yxy 26.9300, 0.3986, 0.2440 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, 87, 167) }
```

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

```
.border{ border-color:rgb(233, 87, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 87, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 87, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 87, 167);  
box-shadow:4px 4px 4px 4px rgb(233, 87,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9300, 0.3986, 0.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 87, 167) }
```

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

```
.background{ background-color: rgb(233, 87,  
167) }
```

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