

Converting Colors

$Y_{xy}(39.7705, 0.3624, 0.2740)$

Have a look what the booklet for
Yxy(39.7705, 0.3624, 0.2740)
contains.

Yxy(39.8015, 0.3620, 0.2735)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.8015, 0.3620, 0.2735)

Conversions

Conversions Part 1

Format	Color
Hex	EB8BBD
RGB	235, 139, 189
RGB Percent	92%, 55%, 74%
CMY	0.0784, 0.4549, 0.2589
CMYK	0.00, 0.41, 0.20, 0.08
HSL	329°, 71%, 73%
HSV	329°, 41%, 92%
XYZ	52.6806, 39.8015, 53.0444
YIQ	173.4040, 41.1660, 35.9020

Conversions

Conversions Part 2

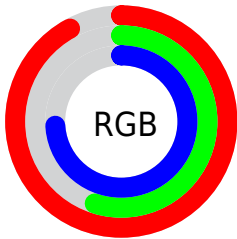
Format	Color
R _{YB}	235, 139, 189
Decimal	15436733
CIE Lab	69.33, 42.92, -10.25
CIE LCh	69, 44.130, 346.565
Yxy	39.8015, 0.3620, 0.2735
Android (android.graphics.Color)	4293626813 (0xFFEB8BBD)
YUV	173.4040, 7.6888, 54.0197
Hunter-Lab	63.0884, 38.6477, -5.6888

Details

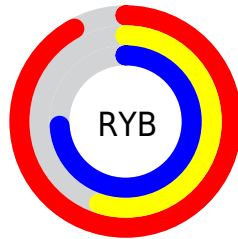
The Yxy color **39.8015, 0.3620, 0.2735** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **68.4158, 0.2822, 0.3931**, and the grayscale version is **41.9512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.4361, 0.3228, 0.2784**, and **17.7803, 0.3752, 0.2575** is the 20% darker color. If you saturate the color by 10%, you get **33.2433, 0.3800, 0.2606**, and if you desaturate by 10%, it is **47.8642, 0.3465, 0.2873**.

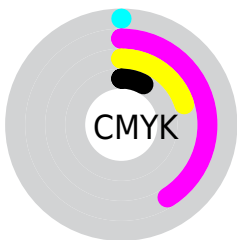
Distribution



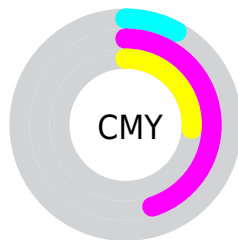
- Red (92%)
- Green (55%)
- Blue (74%)



- Red (92%)
- Yellow (55%)
- Blue (74%)



- Cyan (0%)
- Magenta (41%)
- Yellow (20%)
- Black (8%)





- Cyan (8%)
- Magenta (45%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8015, 0.3620, 0.2735 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 39.8015, 0.3620, 0.2735 by changing the saturation by 10% instead.


 39.8015, 0.3620,
0.2735


 39.8015, 0.3620,
0.2735

345.2862, 0.3374,
0.3007


 27.3838, 0.3681,
0.2669

 74.8612, 0.3531,
0.2833

 17.8617, 0.3760,
0.2585


 98.2719, 0.3497,
0.2870

 10.8507, 0.3865,
0.2475


 126.1158, 0.3468,
0.2901

 5.9665, 0.4010,
0.2325

158.7772, 0.3444,
0.2928

 2.8248, 0.4225,
0.2110

196.6406, 0.3423,
0.2952

 1.0409, 0.4573,
0.1779

240.0903, 0.3404,


 0.0000, 0.6076,


0.2973


0.0000


289.5107, 0.3388,
0.2991


 0.0000, 0.0000,
0.0000


 39.8015, 0.3620,
0.2735


 39.8015, 0.3620,
0.2735


 33.2433, 0.3800,
0.2606


 47.8642, 0.3465,
0.2873


 28.0883, 0.4003,
0.2498


 57.5126, 0.3334,
0.3013


 24.2320, 0.4226,
0.2421

 68.8291, 0.3225,
0.3150

 21.5521, 0.4461,
0.2390

 81.8885, 0.3134,
0.3279

 19.9031, 0.4696,
0.2412

 95.7959, 0.3059,
0.3386

■ 19.0783, 0.4903,
0.2475

■ 96.4041, 0.3005,
0.3290

Harmonies

Analogous

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



39.8015, 0.2955, 0.2420



39.8015, 0.3620, 0.2735



39.8015, 0.4182, 0.3174

Triad

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



39.8015, 0.3620, 0.2735



39.8015, 0.3805, 0.4444



39.8015, 0.1984, 0.2702

Complementary

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



39.8015, 0.3620, 0.2735



68.4158, 0.2822, 0.3931

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.



39.8015, 0.2159, 0.3277



39.8015, 0.3620, 0.2735



39.8015, 0.3189, 0.4410

Square

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



39.8015, 0.3620, 0.2735



39.8015, 0.4267, 0.4134



39.8015, 0.2587, 0.3950



39.8015, 0.2069, 0.2370

Rectangle

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



39.8015, 0.3620, 0.2735



39.8015, 0.4386, 0.3502



39.8015, 0.2587, 0.3950



39.8015, 0.2013, 0.2870

Sweetspot

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



39.8034, 0.3620, 0.2735



81.0976, 0.3237, 0.3133



34.6308, 0.2720, 0.2144



16.9576, 0.3251, 0.3116



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.



39.8034, 0.3620, 0.2735



41.1836, 0.3769, 0.2626



38.0887, 0.4138, 0.3257



15.1851, 0.3211, 0.3168



10.6428, 0.4869, 0.2456



0.8552, 0.4576, 0.2294

Inverse Universe

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



39.8034, 0.3620, 0.2735



41.1836, 0.3769, 0.2626



70.7276, 0.2582, 0.3327



15.1851, 0.3211, 0.3168



10.6428, 0.4869, 0.2456



0.8552, 0.4576, 0.2294

Previews

White Background



This preview shows how the Yxy color 39.8015, 0.3620, 0.2735 looks on a white background.

Color Contrast Check

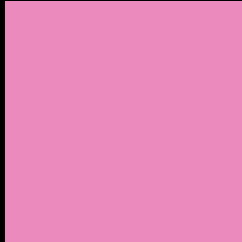
Large Text (above 18pt) WCAG AA × Fail

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 39.8015, 0.3620, 0.2735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

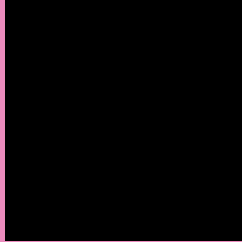
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8015, 0.3620, 0.2735

Background



This preview shows how black text looks on a background with the Yxy color 39.8015, 0.3620, 0.2735.



This preview shows how white text looks on a background with the Yxy color 39.8015, 0.3620, 0.2735.

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

39.8015, 0.3620, 0.2735

Protanopia

40.1364, 0.2754, 0.2758

Deuteranopia

39.9547, 0.3093, 0.3037



Tritanopia

39.8069, 0.3929, 0.3166

Trichromacy



Original Color

39.8015, 0.3620, 0.2735



Protanomaly

39.0224, 0.3033, 0.2731



Deuteranomaly

39.4642, 0.3270, 0.2912



Tritanomaly

39.7957, 0.3815, 0.3007

Monochromacy



Original Color

39.8015, 0.3620, 0.2735



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

40.4802, 0.3299, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8015, 0.3620, 0.2735 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(235, 139, 189)` looks like.

```
.text, #text, p{  
    color:rgb(235, 139, 189)  
}
```

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(235, 139, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 139, 189) }
```

Border

The CSS property to change the border of an element to Yxy 39.8015, 0.3620, 0.2735 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(235, 139, 189) }
```

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

```
.border{ border-color:rgb(235, 139, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 139, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 139, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 139, 189);  
box-shadow:4px 4px 4px 4px rgb(235, 139,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8015, 0.3620, 0.2735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 139, 189) }
```

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

```
.background{ background-color: rgb(235,  
139, 189) }
```

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