

Converting Colors

$Y_{xy}(39.8567, 0.3767, 0.2859)$

Have a look what the booklet for
Yxy(39.8567, 0.3767, 0.2859)
contains.

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Color

Yxy(39.8567, 0.3767, 0.2859)

Conversions

Conversions Part 1

Format	Color
Hex	EE8BB2
RGB	238, 139, 178
RGB Percent	93%, 55%, 70%
CMY	0.0669, 0.4548, 0.3020
CMYK	0.00, 0.42, 0.25, 0.07
HSL	336°, 74%, 74%
HSV	336°, 42%, 93%
XYZ	52.5149, 39.8567, 47.0362
YIQ	173.0470, 46.4850, 33.1170

Conversions

Conversions Part 2

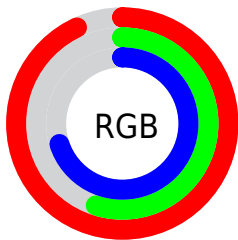
Format	Color
R _Y B	238, 139, 178
Decimal	15633330
CIE Lab	69.37, 42.32, -4.00
CIE LCh	69, 42.511, 354.595
Yxy	39.8567, 0.3767, 0.2859
Android (android.graphics.Color)	4293823410 (0xFFEE8BB2)
YUV	173.0470, 2.4418, 56.9638
Hunter-Lab	63.1322, 37.9995, 0.0189

Details

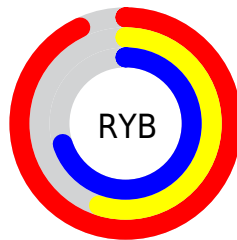
The Yxy color **39.8567, 0.3767, 0.2859** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **70.7369, 0.2752, 0.3778**, and the grayscale version is **41.7863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7841, 0.3310, 0.2889**, and **17.8395, 0.3967, 0.2737** is the 20% darker color. If you saturate the color by 10%, you get **33.1500, 0.4006, 0.2763**, and if you desaturate by 10%, it is **48.1278, 0.3565, 0.2965**.

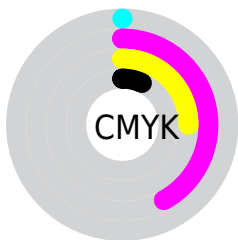
Distribution



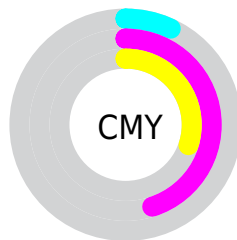
- Red (93%)
- Green (55%)
- Blue (70%)



- Red (93%)
- Yellow (55%)
- Blue (70%)



- Cyan (0%)
- Magenta (42%)
- Yellow (25%)
- Black (7%)





- Cyan (7%)
- Magenta (45%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8567, 0.3767, 0.2859 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 39.8567, 0.3767, 0.2859 by changing the saturation by 10% instead.


 39.8567, 0.3767,
0.2859


 39.8567, 0.3767,
0.2859


345.5192, 0.3442,
0.3075

 27.4268, 0.3850,
0.2805


 74.9453, 0.3648,
0.2938

 17.8940, 0.3957,
0.2736


 98.3727, 0.3603,
0.2967

 10.8739, 0.4100,
0.2644


 126.2349, 0.3566,
0.2992

 5.9821, 0.4303,
0.2515

158.9160, 0.3534,
0.3013

 2.8342, 0.4610,
0.2326

196.8007, 0.3506,
0.3032

 1.0458, 0.5121,
0.2019

240.2732, 0.3482,

 0.0000, 0.8269,

0.3048

0.0000

289.7179, 0.3461,
0.3062

■ 0.0000, 0.0000,
0.0000

■ 39.8567, 0.3767,
0.2859

■ 39.8567, 0.3767,
0.2859

■ 33.1500, 0.4006,
0.2763

■ 48.1278, 0.3565,
0.2965

■ 27.9018, 0.4279,
0.2686

■ 58.0487, 0.3396,
0.3072

■ 24.0021, 0.4581,
0.2641

■ 69.7056, 0.3257,
0.3176

■ 21.3224, 0.4897,
0.2640

■ 83.1768, 0.3143,
0.3275

■ 19.7089, 0.5204,
0.2693

■ 96.5981, 0.3050,
0.3338

■ 18.9714, 0.5443,
0.2772

■ 96.9088, 0.3023,
0.3290

Harmonies

Analogous

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



39.8567, 0.3131, 0.2514



39.8567, 0.3767, 0.2859



39.8567, 0.4241, 0.3307

Triad

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



39.8567, 0.3767, 0.2859



39.8567, 0.3633, 0.4432



39.8567, 0.2019, 0.2614

Complementary

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



39.8567, 0.3767, 0.2859



70.7369, 0.2752, 0.3778

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.



39.8567, 0.2121, 0.3113



39.8567, 0.3767, 0.2859



39.8567, 0.3025, 0.4283

Square

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



39.8567, 0.3767, 0.2859



39.8567, 0.4133, 0.4209



39.8567, 0.2476, 0.3758



39.8567, 0.2167, 0.2356

Rectangle

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



39.8567, 0.3767, 0.2859



39.8567, 0.4371, 0.3628



39.8567, 0.2476, 0.3758



39.8567, 0.2024, 0.2755

Sweetspot

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



39.8586, 0.3767, 0.2859



80.8688, 0.3263, 0.3171



36.7046, 0.2824, 0.2157



16.9038, 0.3280, 0.3158



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.



39.8586, 0.3767, 0.2859



39.7706, 0.3970, 0.2775



41.5064, 0.4153, 0.3404



15.8619, 0.3231, 0.3197



10.6127, 0.5403, 0.2750



0.9019, 0.5052, 0.2557

Inverse Universe

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



39.8586, 0.3767, 0.2859



39.7706, 0.3970, 0.2775



67.1824, 0.2540, 0.3169



15.8619, 0.3231, 0.3197



10.6127, 0.5403, 0.2750



0.9019, 0.5052, 0.2557

Previews

White Background



This preview shows how the Yxy color 39.8567, 0.3767, 0.2859 looks on a white background.

Color Contrast Check

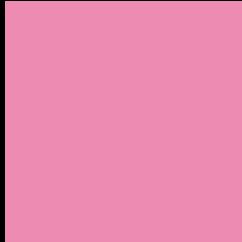
Large Text (above 18pt) WCAG AA × Fail

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 39.8567, 0.3767, 0.2859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

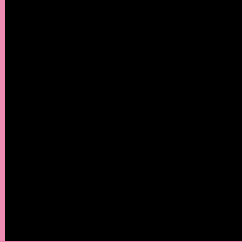
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8567, 0.3767, 0.2859

Background



This preview shows how black text looks on a background with the Yxy color 39.8567, 0.3767, 0.2859.



This preview shows how white text looks on a background with the Yxy color 39.8567, 0.3767, 0.2859.

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

39.8567, 0.3767, 0.2859

Protanopia

39.9901, 0.2875, 0.2912

Deuteranopia

40.1566, 0.3226, 0.3170



Tritanopia

39.8109, 0.3998, 0.3168

Trichromacy



Original Color

39.8567, 0.3767, 0.2859



Protanomaly

38.9945, 0.3175, 0.2880



Deuteranomaly

39.7094, 0.3422, 0.3052



Tritanomaly

39.9949, 0.3913, 0.3056

Monochromacy



Original Color

39.8567, 0.3767, 0.2859



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

40.4552, 0.3346, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8567, 0.3767, 0.2859 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(238, 139, 178)` looks like.

```
.text, #text, p{  
    color:rgb(238, 139, 178)  
}
```

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(238, 139, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 139, 178) }
```

Border

The CSS property to change the border of an element to Yxy 39.8567, 0.3767, 0.2859 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(238, 139, 178) }
```

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

```
.border{ border-color:rgb(238, 139, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 139, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 139, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 139, 178);  
box-shadow:4px 4px 4px 4px rgb(238, 139,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8567, 0.3767, 0.2859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 139, 178) }
```

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

```
.background{ background-color: rgb(238,  
139, 178) }
```

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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