

Converting Colors

$Y_{xy}(38.3158, 0.3792, 0.2819)$

Have a look what the booklet for
Yxy(38.3158, 0.3792, 0.2819)
contains.

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Color

Yxy(38.4017, 0.3792, 0.2815)

Conversions

Conversions Part 1

Format	Color
Hex	EE86B1
RGB	238, 134, 177
RGB Percent	93%, 53%, 69%
CMY	0.0665, 0.4746, 0.3058
CMYK	0.00, 0.44, 0.26, 0.07
HSL	335°, 75%, 73%
HSV	335°, 44%, 93%
XYZ	51.7298, 38.4017, 46.2867
YIQ	169.9980, 48.1810, 35.4210

Conversions

Conversions Part 2

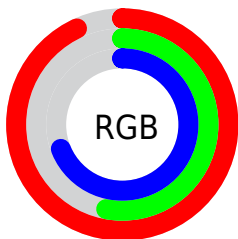
Format	Color
R _Y B	238, 134, 177
Decimal	15632049
CIE Lab	68.32, 44.80, -5.01
CIE LCh	68, 45.079, 353.619
Yxy	38.4017, 0.3792, 0.2815
Android (android.graphics.Color)	4293822129 (0xFFEE86B1)
YUV	169.9980, 3.4520, 59.6378
Hunter-Lab	61.9691, 40.5599, -0.9072

Details

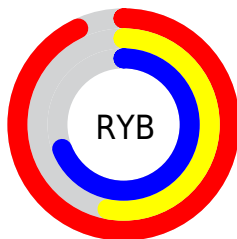
The Yxy color **38.4017, 0.3792, 0.2815** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **70.1755, 0.2747, 0.3835**, and the grayscale version is **40.1622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5384, 0.3323, 0.2848**, and **17.0434, 0.4003, 0.2685** is the 20% darker color. If you saturate the color by 10%, you get **32.0201, 0.4029, 0.2717**, and if you desaturate by 10%, it is **46.3246, 0.3590, 0.2924**.

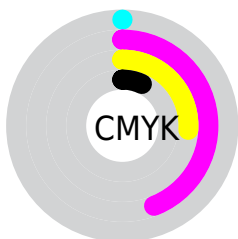
Distribution



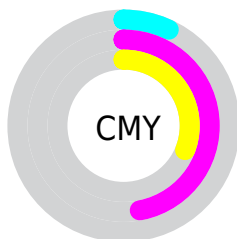
- Red (93%)
- Green (53%)
- Blue (69%)



- Red (93%)
- Yellow (53%)
- Blue (69%)



- Cyan (0%)
- Magenta (44%)
- Yellow (26%)
- Black (7%)





- Cyan (7%)
- Magenta (47%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4017, 0.3792, 0.2815 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 38.4017, 0.3792, 0.2815 by changing the saturation by 10% instead.


 38.4017, 0.3792,
0.2815

 38.4017, 0.3792,
0.2815


339.3400, 0.3453,
0.3053


 26.2946, 0.3879,
0.2755

 72.7234, 0.3667,
0.2902

 17.0442, 0.3991,
0.2679


 95.7068, 0.3621,
0.2934

 10.2660, 0.4142,
0.2577


 123.0845, 0.3582,
0.2962

 5.5757, 0.4356,
0.2436

155.2408, 0.3549,
0.2985

 2.5888, 0.4680,
0.2226

192.5601, 0.3520,
0.3006

 0.9210, 0.5224,
0.1890


235.4268, 0.3495,


 0.0000, 0.8619,


0.3024


0.0000

284.2253, 0.3472,
0.3039


 0.0000, 0.0000,
0.0000

 38.4017, 0.3792,
0.2815


 38.4017, 0.3792,
0.2815


 32.0201, 0.4029,
0.2717


 46.3246, 0.3590,
0.2924


 27.0718, 0.4298,
0.2641


 55.8760, 0.3420,
0.3037


 23.4439, 0.4592,
0.2600

 67.1432, 0.3280,
0.3147

 21.0036, 0.4896,
0.2607

 80.2056, 0.3164,
0.3253

 19.5896, 0.5189,
0.2668

 95.1377, 0.3070,
0.3351

■ 19.0729, 0.5361,
0.2727

■ 96.9228, 0.3024,
0.3290

Harmonies

Analogous

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



38.4017, 0.3106, 0.2456



38.4017, 0.3792, 0.2815



38.4017, 0.4312, 0.3285

Triad

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



38.4017, 0.3792, 0.2815



38.4017, 0.3682, 0.4514



38.4017, 0.1947, 0.2577

Complementary

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



38.4017, 0.3792, 0.2815



70.1755, 0.2747, 0.3835

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.



38.4017, 0.2062, 0.3116



38.4017, 0.3792, 0.2815



38.4017, 0.3034, 0.4376

Square

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



38.4017, 0.3792, 0.2815



38.4017, 0.4213, 0.4254



38.4017, 0.2444, 0.3816



38.4017, 0.2096, 0.2299

Rectangle

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



38.4017, 0.3792, 0.2815



38.4017, 0.4459, 0.3624



38.4017, 0.2444, 0.3816



38.4017, 0.1956, 0.2729

Sweetspot

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



38.4036, 0.3792, 0.2815



79.4534, 0.3271, 0.3155



34.7804, 0.2788, 0.2091



16.3370, 0.3300, 0.3131



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.



38.4036, 0.3792, 0.2815



38.4612, 0.3991, 0.2731



39.4452, 0.4241, 0.3390



15.8673, 0.3228, 0.3193



10.6618, 0.5322, 0.2705



0.9063, 0.4980, 0.2517

Inverse Universe

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



38.4036, 0.3792, 0.2815



38.4612, 0.3991, 0.2731



67.4812, 0.2518, 0.3183



15.8673, 0.3228, 0.3193



10.6618, 0.5322, 0.2705



0.9063, 0.4980, 0.2517

Previews

White Background



This preview shows how the Yxy color 38.4017, 0.3792, 0.2815 looks on a white background.

Color Contrast Check

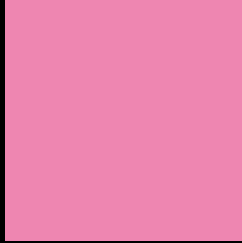
Large Text (above 18pt) WCAG AA × Fail

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 38.4017, 0.3792, 0.2815 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 38.4017, 0.3792, 0.2815

Background



This preview shows how black text looks on a background with the Yxy color 38.4017, 0.3792, 0.2815.



This preview shows how white text looks on a background with the Yxy color 38.4017, 0.3792, 0.2815.

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

38.4017, 0.3792, 0.2815

Protanopia

38.8807, 0.2833, 0.2867

Deuteranopia

38.6430, 0.3219, 0.3155



Tritanopia

38.2973, 0.4061, 0.3179

Trichromacy



Original Color

38.4017, 0.3792, 0.2815



Protanomaly

37.6477, 0.3139, 0.2825



Deuteranomaly

38.0690, 0.3419, 0.3012



Tritanomaly

38.2274, 0.3965, 0.3044

Monochromacy



Original Color

38.4017, 0.3792, 0.2815



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.7332, 0.3352, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4017, 0.3792, 0.2815 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, 134, 177)` looks like.

```
.text, #text, p{  
    color:rgb(238, 134, 177)  
}
```

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, 134, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 134, 177) }
```

Border

The CSS property to change the border of an element to Yxy 38.4017, 0.3792, 0.2815 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, 134, 177) }
```

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

```
.border{ border-color:rgb(238, 134, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 134, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 134, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 134, 177); box-shadow:4px 4px 4px 4px rgb(238, 134, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4017, 0.3792, 0.2815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 134, 177) }
```

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

```
.background{ background-color: rgb(238,  
134, 177) }
```

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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