

Converting Colors

$Yxy(38.1016, 0.3454, 0.2463)$

Have a look what the booklet for
Yxy(38.1016, 0.3454, 0.2463)
contains.

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Color

Yxy(38.0837, 0.3458, 0.2467)

Conversions

Conversions Part 1

Format	Color
Hex	EB82CE
RGB	235, 130, 206
RGB Percent	92%, 51%, 81%
CMY	0.0784, 0.4902, 0.1923
CMYK	0.00, 0.45, 0.12, 0.08
HSL	317°, 72%, 72%
HSV	317°, 45%, 92%
XYZ	53.3820, 38.0837, 62.9068
YIQ	170.0590, 38.1840, 45.8960

Conversions

Conversions Part 2

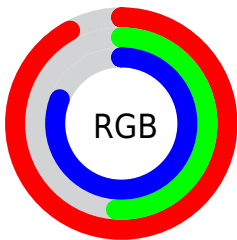
Format	Color
R _Y B	235, 130, 206
Decimal	15434446
CIE Lab	68.08, 50.11, -21.61
CIE LCh	68, 54.566, 336.675
Yxy	38.0837, 0.3458, 0.2467
Android (android.graphics.Color)	4293624526 (0xFFEB82CE)
YUV	170.0590, 17.7189, 56.9533
Hunter-Lab	61.7120, 46.4098, -17.2395

Details

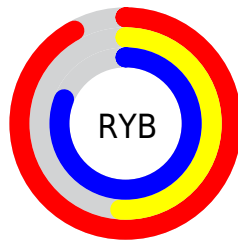
The Yxy color **38.0837, 0.3458, 0.2467** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **66.6719, 0.2912, 0.4297**, and the grayscale version is **40.1262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1779, 0.3159, 0.2604**, and **16.9219, 0.3529, 0.2258** is the 20% darker color. If you saturate the color by 10%, you get **32.2216, 0.3560, 0.2302**, and if you desaturate by 10%, it is **45.3899, 0.3366, 0.2648**.

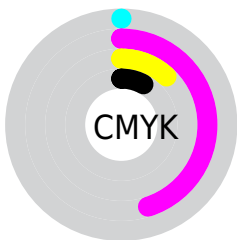
Distribution



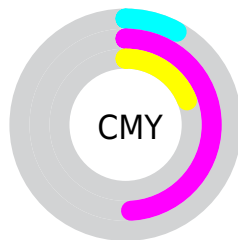
- Red (92%)
- Green (51%)
- Blue (81%)



- Red (92%)
- Yellow (51%)
- Blue (81%)



- Cyan (0%)
- Magenta (45%)
- Yellow (12%)
- Black (8%)




- Cyan (8%)
- Magenta (49%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0837, 0.3458, 0.2467 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 38.0837, 0.3458, 0.2467 by changing the saturation by 10% instead.


 38.0837, 0.3458,
0.2467


 38.0837, 0.3458,
0.2467


337.9789, 0.3301,
0.2861

 26.0477, 0.3494,
0.2374


 72.2364, 0.3403,
0.2606

 16.8593, 0.3539,
0.2258


 95.1219, 0.3382,
0.2659

 10.1342, 0.3597,
0.2110


 122.3926, 0.3364,
0.2705

 5.4880, 0.3671,
0.1914

154.4330, 0.3348,
0.2745

 2.5364, 0.3772,
0.1645

191.6274, 0.3334,
0.2779

 0.8948, 0.3910,
0.1262

234.3602, 0.3322,

 0.0000, 0.4403,

0.2810

0.0000

283.0159, 0.3311,
0.2837

■ 0.0000, 0.0000,
0.0000

■ 38.0837, 0.3458,
0.2467

■ 38.0837, 0.3458,
0.2467

■ 32.2216, 0.3560,
0.2302

■ 45.3899, 0.3366,
0.2648

■ 27.6996, 0.3671,
0.2164

■ 54.2243, 0.3284,
0.2837

■ 24.4085, 0.3786,
0.2064


■ 64.6706, 0.3213,
0.3025

■ 22.2192, 0.3902,
0.2010

■ 76.8051, 0.3152,
0.3208


■ 20.9738, 0.4015,
0.2006

■ 90.6991, 0.3101,
0.3381

 20.5657, 0.4075,
0.2018

 95.7738, 0.3061,
0.3390

 96.1777, 0.3025,
0.3325

 96.4033, 0.3005,
0.3290

Harmonies

Analogous

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



38.0837, 0.2656, 0.2158



38.0837, 0.3458, 0.2467



38.0837, 0.4252, 0.2945

Triad

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



38.0837, 0.3458, 0.2467



38.0837, 0.4157, 0.4611



38.0837, 0.1772, 0.2742

Complementary

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



38.0837, 0.3458, 0.2467



66.6719, 0.2912, 0.4297

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.



38.0837, 0.2071, 0.3543



38.0837, 0.3458, 0.2467



38.0837, 0.3433, 0.4792

Square

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



38.0837, 0.3458, 0.2467



38.0837, 0.4642, 0.4105



38.0837, 0.2669, 0.4387



38.0837, 0.1779, 0.2251

Rectangle

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



38.0837, 0.3458, 0.2467



38.0837, 0.4607, 0.3319



38.0837, 0.2669, 0.4387



38.0837, 0.1836, 0.2980

Sweetspot

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



38.0855, 0.3458, 0.2467



80.0663, 0.3202, 0.3055



29.2362, 0.2495, 0.1967



16.4884, 0.3217, 0.3014



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.



38.0855, 0.3458, 0.2467



39.0578, 0.3556, 0.2309



35.9810, 0.4033, 0.3016



15.2386, 0.3180, 0.3121



11.4677, 0.4058, 0.2009



0.9166, 0.3913, 0.1929

Inverse Universe

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



38.0855, 0.3458, 0.2467



39.0578, 0.3556, 0.2309



68.8454, 0.2645, 0.3597



15.2386, 0.3180, 0.3121



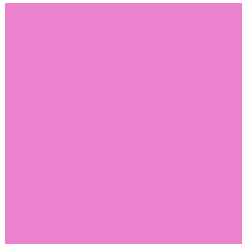
11.4677, 0.4058, 0.2009



0.9166, 0.3913, 0.1929

Previews

White Background



This preview shows how the Yxy color 38.0837, 0.3458, 0.2467 looks on a white background.

Color Contrast Check

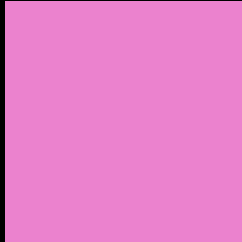
Large Text (above 18pt) WCAG AA × Fail

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 38.0837, 0.3458, 0.2467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

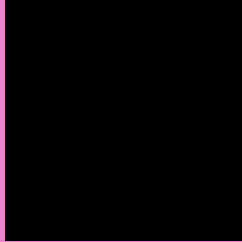
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0837, 0.3458, 0.2467

Background



This preview shows how black text looks on a background with the Yxy color 38.0837, 0.3458, 0.2467.



This preview shows how white text looks on a background with the Yxy color 38.0837, 0.3458, 0.2467.

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

38.0837, 0.3458, 0.2467

Protanopia

38.4314, 0.2489, 0.2418

Deuteranopia

38.4715, 0.2850, 0.2793



Tritanopia

37.9748, 0.3958, 0.3164

Trichromacy



Original Color

38.0837, 0.3458, 0.2467



Protanomaly

37.1954, 0.2777, 0.2415



Deuteranomaly

37.4739, 0.3054, 0.2648



Tritanomaly

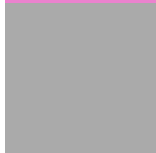
37.8588, 0.3769, 0.2891

Monochromacy



Original Color

38.0837, 0.3458, 0.2467



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.3309, 0.3250, 0.2930

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0837, 0.3458, 0.2467 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, 130, 206)` looks like.

```
.text, #text, p{  
    color:rgb(235, 130, 206)  
}
```

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, 130, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 130, 206) }
```

Border

The CSS property to change the border of an element to Yxy 38.0837, 0.3458, 0.2467 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, 130, 206) }
```

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

```
.border{ border-color:rgb(235, 130, 206) }
```

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

Here you see how a box with a 4 pixel rgb(235, 130, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 130, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 130, 206);  
box-shadow:4px 4px 4px 4px rgb(235, 130,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0837, 0.3458, 0.2467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 130, 206) }
```

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

```
.background{ background-color: rgb(235,  
130, 206) }
```

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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