

Converting Colors

$Y_{xy}(38.4443, 0.3839, 0.2922)$

Have a look what the booklet for
Yxy(38.4443, 0.3839, 0.2922)
contains.

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Color

Yxy(38.4558, 0.3831, 0.2920)

Conversions

Conversions Part 1

Format	Color
Hex	EB89AA
RGB	235, 137, 170
RGB Percent	92%, 54%, 67%
CMY	0.0786, 0.4626, 0.3334
CMYK	0.00, 0.42, 0.28, 0.08
HSL	340°, 71%, 73%
HSV	340°, 42%, 92%
XYZ	50.4535, 38.4558, 42.7887
YIQ	170.0640, 47.8150, 31.0390

Conversions

Conversions Part 2

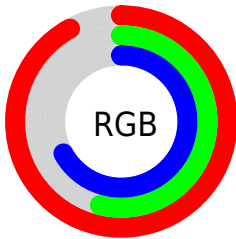
Format	Color
R _Y B	235, 137, 170
Decimal	15436202
CIE Lab	68.36, 41.24, -1.05
CIE LCh	68, 41.257, 358.536
Yxy	38.4558, 0.3831, 0.2920
Android (android.graphics.Color)	4293626282 (0xFFEB89AA)
YUV	170.0640, -0.0316, 56.9489
Hunter-Lab	62.0127, 36.7051, 2.4989

Details

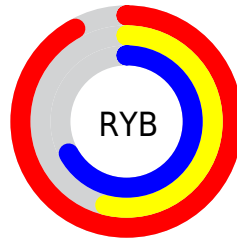
The Yxy color **38.4558, 0.3831, 0.2920** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **68.9831, 0.2722, 0.3705**, and the grayscale version is **40.2163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3955, 0.3382, 0.2956**, and **17.1521, 0.4044, 0.2814** is the 20% darker color. If you saturate the color by 10%, you get **31.9322, 0.4096, 0.2839**, and if you desaturate by 10%, it is **46.5077, 0.3607, 0.3010**.

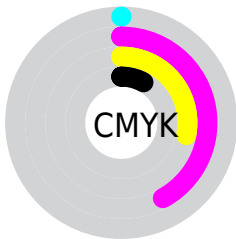
Distribution



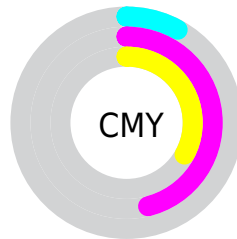
- Red (92%)
- Green (54%)
- Blue (67%)



- Red (92%)
- Yellow (54%)
- Blue (67%)



- Cyan (0%)
- Magenta (42%)
- Yellow (28%)
- Black (8%)




- Cyan (8%)
- Magenta (46%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4558, 0.3831, 0.2920 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 38.4558, 0.3831, 0.2920 by changing the saturation by 10% instead.


 38.4558, 0.3831,
0.2920


 38.4558, 0.3831,
0.2920


339.5712, 0.3469,
0.3109


 26.3366, 0.3924,
0.2871

 72.8062, 0.3697,
0.2990

 17.0757, 0.4046,
0.2808

 95.8063, 0.3648,
0.3016

 10.2884, 0.4210,
0.2723


 123.2021, 0.3606,
0.3038

 5.5906, 0.4445,
0.2603

155.3780, 0.3571,
0.3056

 2.5978, 0.4805,
0.2419

192.7185, 0.3540,
0.3072

 0.9256, 0.5417,
0.2109

235.6080, 0.3513,


 0.0000, 1.0000,


0.3086

0.0000

284.4307, 0.3490,
0.3099


 0.0000, 0.0000,
0.0000


 38.4558, 0.3831,
0.2920


 38.4558, 0.3831,
0.2920


 31.9322, 0.4096,
0.2839


 46.5077, 0.3607,
0.3010

 26.8333, 0.4402,
0.2775


 56.1712, 0.3422,
0.3102


 23.0518, 0.4738,
0.2743

 67.5306, 0.3270,
0.3192

 20.4623, 0.5087,
0.2754

 80.6623, 0.3146,
0.3276

 18.9145, 0.5420,
0.2814

 95.6383, 0.3044,
0.3355

■ 18.2223, 0.5667,
0.2895

■ 96.3966, 0.3005,
0.3290

Harmonies

Analogous

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



38.4558, 0.3214, 0.2563



38.4558, 0.3831, 0.2920



38.4558, 0.4260, 0.3370

Triad

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



38.4558, 0.3831, 0.2920



38.4558, 0.3550, 0.4415



38.4558, 0.2041, 0.2579

Complementary

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



38.4558, 0.3831, 0.2920



68.9831, 0.2722, 0.3705

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.



38.4558, 0.2110, 0.3042



38.4558, 0.3831, 0.2920



38.4558, 0.2951, 0.4213

Square

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



38.4558, 0.3831, 0.2920



38.4558, 0.4064, 0.4239



38.4558, 0.2428, 0.3666



38.4558, 0.2220, 0.2356

Rectangle

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



38.4558, 0.3831, 0.2920



38.4558, 0.4354, 0.3686



38.4558, 0.2428, 0.3666



38.4558, 0.2036, 0.2708

Sweetspot

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



38.4577, 0.3831, 0.2920



79.3065, 0.3289, 0.3180



36.2698, 0.2866, 0.2168



16.3009, 0.3321, 0.3160



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.



38.4577, 0.3831, 0.2920



39.4861, 0.4055, 0.2850



41.8287, 0.4132, 0.3460



15.1377, 0.3240, 0.3211



10.1660, 0.5625, 0.2872



0.8156, 0.5236, 0.2658

Inverse Universe

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



38.4577, 0.3831, 0.2920



39.4861, 0.4055, 0.2850



62.6486, 0.2529, 0.3108



15.1377, 0.3240, 0.3211



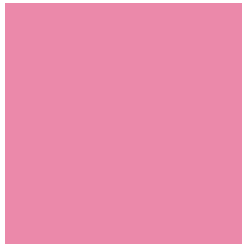
10.1660, 0.5625, 0.2872



0.8156, 0.5236, 0.2658

Previews

White Background



This preview shows how the Yxy color 38.4558, 0.3831, 0.2920 looks on a white background.

Color Contrast Check

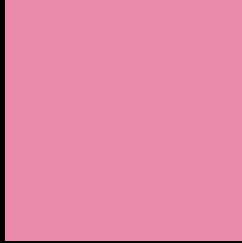
Large Text (above 18pt) WCAG AA × Fail

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 38.4558, 0.3831, 0.2920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

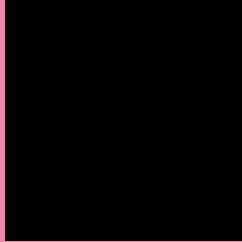
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4558, 0.3831, 0.2920

Background



This preview shows how black text looks on a background with the Yxy color 38.4558, 0.3831, 0.2920.



This preview shows how white text looks on a background with the Yxy color 38.4558, 0.3831, 0.2920.

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

38.4558, 0.3831, 0.2920

Protanopia

38.7958, 0.2928, 0.2987

Deuteranopia

38.7842, 0.3302, 0.3237



Tritanopia

38.3142, 0.4014, 0.3167

Trichromacy



Original Color

38.4558, 0.3831, 0.2920

Protanomaly

37.7260, 0.3230, 0.2951

Deuteranomaly

38.2690, 0.3497, 0.3113

Tritanomaly

38.4263, 0.3949, 0.3076

Monochromacy



Original Color

38.4558, 0.3831, 0.2920

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

38.8253, 0.3369, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4558, 0.3831, 0.2920 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, 137, 170)` looks like.

```
.text, #text, p{  
    color:rgb(235, 137, 170)  
}
```

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, 137, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 137, 170) }
```

Border

The CSS property to change the border of an element to Yxy 38.4558, 0.3831, 0.2920 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, 137, 170) }
```

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

```
.border{ border-color:rgb(235, 137, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 137, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 137, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 137, 170);  
box-shadow:4px 4px 4px 4px rgb(235, 137,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4558, 0.3831, 0.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 137, 170) }
```

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

```
.background{ background-color: rgb(235,  
137, 170) }
```

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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