

Converting Colors

$Y_{xy}(38.1153, 0.3412, 0.2462)$

Have a look what the booklet for
Yxy(38.1153, 0.3412, 0.2462)
contains.

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Color

Yxy(38.1633, 0.3415, 0.2469)

Conversions

Conversions Part 1

Format	Color
Hex	E884CF
RGB	232, 132, 207
RGB Percent	91%, 52%, 81%
CMY	0.0903, 0.4823, 0.1882
CMYK	0.00, 0.43, 0.11, 0.09
HSL	315°, 68%, 71%
HSV	315°, 43%, 91%
XYZ	52.7856, 38.1633, 63.6210
YIQ	170.4500, 35.5250, 44.5250

Conversions

Conversions Part 2

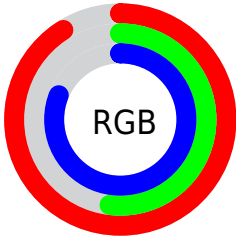
Format	Color
R_{YB}	232, 132, 207
Decimal	15238351
CIE _{Lab}	68.14, 48.31, -22.13
CIE _{LCh}	68, 53.140, 335.387
Yxy	38.1633, 0.3415, 0.2469
Android (android.graphics.Color)	4293428431 (0xFFE884CF)
YUV	170.4500, 18.0192, 53.9794
Hunter-Lab	61.7765, 44.4126, -17.8167

Details

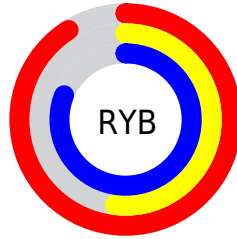
The Yxy color **38.1633, 0.3415, 0.2469** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **65.0371, 0.2932, 0.4290**, and the grayscale version is **40.3320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0206, 0.3158, 0.2624**, and **16.8905, 0.3471, 0.2255** is the 20% darker color. If you saturate the color by 10%, you get **32.2782, 0.3506, 0.2296**, and if you desaturate by 10%, it is **45.4609, 0.3333, 0.2658**.

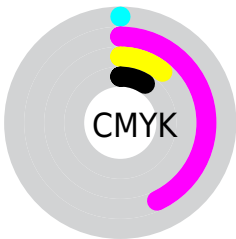
Distribution



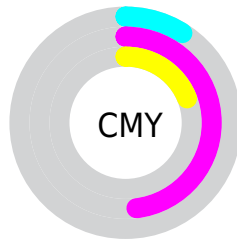
- Red (91%)
- Green (52%)
- Blue (81%)



- Red (91%)
- Yellow (52%)
- Blue (81%)



- Cyan (0%)
- Magenta (43%)
- Yellow (11%)
- Black (9%)





- Cyan (9%)
- Magenta (48%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1633, 0.3415, 0.2469 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 38.1633, 0.3415, 0.2469 by changing the saturation by 10% instead.


 38.1633, 0.3415,
0.2469


 38.1633, 0.3415,
0.2469


338.3200, 0.3280,
0.2862


 26.1095, 0.3446,
0.2376


 72.3584, 0.3368,
0.2608

 16.9055, 0.3484,
0.2261

 95.2684, 0.3350,
0.2661

 10.1672, 0.3532,
0.2113


 122.5659, 0.3334,
0.2707

 5.5099, 0.3593,
0.1917

154.6353, 0.3321,
0.2746

 2.5495, 0.3673,
0.1649

191.8610, 0.3309,
0.2781

 0.9013, 0.3779,
0.1266

234.6275, 0.3298,

 0.0000, 0.4200,

0.2811

0.0000

283.3190, 0.3289,
0.2838

0.0000, 0.0000,
0.0000

38.1633, 0.3415,
0.2469

38.1633, 0.3415,
0.2469

32.2782, 0.3506,
0.2296

45.4609, 0.3333,
0.2658

27.7066, 0.3603,
0.2149

54.2511, 0.3260,
0.2852

24.3447, 0.3705,
0.2038

64.6140, 0.3197,
0.3046

22.0711, 0.3808,
0.1971

76.6226, 0.3142,
0.3234

20.7385, 0.3908,
0.1953

90.3453, 0.3096,
0.3412

■ 20.2081, 0.3975,
0.1963

■ 95.0675, 0.3061,
0.3422

■ 95.4208, 0.3028,
0.3364

■ 95.7851, 0.2996,
0.3306

■ 95.8907, 0.2987,
0.3290

Harmonies

Analogous

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



38.1633, 0.2639, 0.2175



38.1633, 0.3415, 0.2469



38.1633, 0.4193, 0.2932

Triad

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



38.1633, 0.3415, 0.2469



38.1633, 0.4162, 0.4564



38.1633, 0.1809, 0.2787

Complementary

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



38.1633, 0.3415, 0.2469



65.0371, 0.2932, 0.4290

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.



38.1633, 0.2117, 0.3575



38.1633, 0.3415, 0.2469



38.1633, 0.3462, 0.4753

Square

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



38.1633, 0.3415, 0.2469



38.1633, 0.4618, 0.4068



38.1633, 0.2713, 0.4383



38.1633, 0.1802, 0.2290

Rectangle

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



38.1633, 0.3415, 0.2469



38.1633, 0.4551, 0.3298



38.1633, 0.2713, 0.4383



38.1633, 0.1877, 0.3024

Sweetspot

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



38.1651, 0.3415, 0.2469



80.1211, 0.3197, 0.3047



29.3361, 0.2497, 0.2012



16.5020, 0.3210, 0.3004



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.



38.1651, 0.3415, 0.2469



40.5453, 0.3498, 0.2309



36.1516, 0.3946, 0.2987



14.5505, 0.3176, 0.3115



11.2433, 0.3960, 0.1955



0.8455, 0.3826, 0.1882

Inverse Universe

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



38.1651, 0.3415, 0.2469



40.5453, 0.3498, 0.2309



67.0265, 0.2675, 0.3628



14.5505, 0.3176, 0.3115



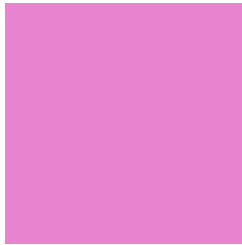
11.2433, 0.3960, 0.1955



0.8455, 0.3826, 0.1882

Previews

White Background



This preview shows how the Yxy color 38.1633, 0.3415, 0.2469 looks on a white background.

Color Contrast Check

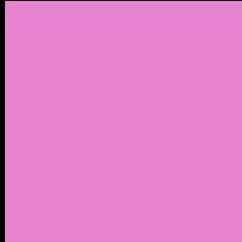
Large Text (above 18pt) WCAG AA × Fail

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 38.1633, 0.3415, 0.2469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

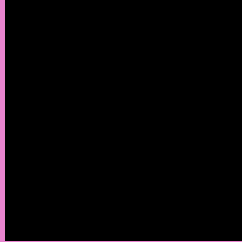
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1633, 0.3415, 0.2469

Background



This preview shows how black text looks on a background with the Yxy color 38.1633, 0.3415, 0.2469.



This preview shows how white text looks on a background with the Yxy color 38.1633, 0.3415, 0.2469.

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

38.1633, 0.3415, 0.2469

Protanopia

38.5235, 0.2496, 0.2420

Deuteranopia

38.4580, 0.2826, 0.2767



Tritanopia

38.1468, 0.3898, 0.3162

Trichromacy



Original Color

38.1633, 0.3415, 0.2469



Protanomaly

37.1954, 0.2777, 0.2415



Deuteranomaly

37.6349, 0.3018, 0.2634



Tritanomaly

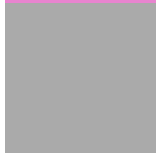
37.9763, 0.3722, 0.2898

Monochromacy



Original Color

38.1633, 0.3415, 0.2469



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.5333, 0.3240, 0.2942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1633, 0.3415, 0.2469 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(232, 132, 207)` looks like.

```
.text, #text, p{  
    color:rgb(232, 132, 207)  
}
```

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(232, 132, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 132, 207) }
```

Border

The CSS property to change the border of an element to Yxy 38.1633, 0.3415, 0.2469 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(232, 132, 207) }
```

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

```
.border{ border-color:rgb(232, 132, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 132, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 132, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 132, 207);  
box-shadow:4px 4px 4px 4px rgb(232, 132,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1633, 0.3415, 0.2469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 132, 207) }
```

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

```
.background{ background-color: rgb(232,  
132, 207) }
```

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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