

Converting Colors

$Y_{xy}(38.3260, 0.3344, 0.2351)$

Have a look what the booklet for
Yxy(38.3260, 0.3344, 0.2351)
contains.

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Color

Yxy(38.3724, 0.3348, 0.2352)

Conversions

Conversions Part 1

Format	Color
Hex	EB81D9
RGB	235, 129, 217
RGB Percent	92%, 51%, 85%
CMY	0.0786, 0.4940, 0.1491
CMYK	0.00, 0.45, 0.08, 0.08
HSL	310°, 73%, 71%
HSV	310°, 45%, 92%
XYZ	54.6219, 38.3724, 70.1536
YIQ	170.7260, 34.9280, 49.8400

Conversions

Conversions Part 2

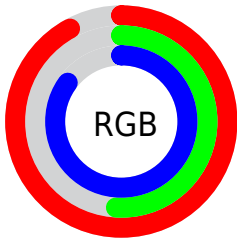
Format	Color
RYB	235, 129, 217
Decimal	15434201
CIELab	68.29, 52.36, -27.41
CIELCh	68, 59.101, 332.373
Yxy	38.3724, 0.3348, 0.2352
Android (android.graphics.Color)	4293624281 (0xFFEB81D9)
YUV	170.7260, 22.8131, 56.3683
Hunter-Lab	61.9455, 48.9922, -23.7845

Details

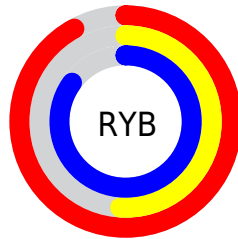
The Yxy color **38.3724, 0.3348, 0.2352** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **66.1701, 0.2969, 0.4463**, and the grayscale version is **40.4538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **16.9879, 0.3388, 0.2119** is the 20% darker color. If you saturate the color by 10%, you get **32.6724, 0.3411, 0.2170**, and if you desaturate by 10%, it is **45.5040, 0.3289, 0.2554**.

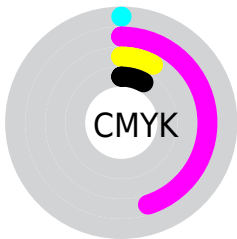
Distribution



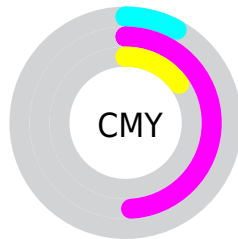
- Red (92%)
- Green (51%)
- Blue (85%)



- Red (92%)
- Yellow (51%)
- Blue (85%)



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





- Cyan (8%)
- Magenta (49%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3724, 0.3348, 0.2352 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 38.3724, 0.3348, 0.2352 by changing the saturation by 10% instead.


 38.3724, 0.3348,
0.2352


 38.3724, 0.3348,
0.2352


339.2148, 0.3251,
0.2795

 26.2718, 0.3368,
0.2250


 72.6786, 0.3316,
0.2507

 17.0271, 0.3392,
0.2123


 95.6530, 0.3303,
0.2567

 10.2538, 0.3419,
0.1963


 123.0208, 0.3292,
0.2618

 5.5676, 0.3451,
0.1755

155.1664, 0.3282,
0.2663

 2.5840, 0.3485,
0.1476

192.4742, 0.3273,
0.2702

 0.9186, 0.3511,
0.1094

235.3286, 0.3265,

 0.0000, 0.3697,

0.2736

0.0000

284.1140, 0.3258,
0.2767

■ 0.0000, 0.0844,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.3724, 0.3348,
0.2352

■ 38.3724, 0.3348,
0.2352

■ 32.6724, 0.3411,
0.2170

■ 45.5040, 0.3289,
0.2554

■ 28.2998, 0.3477,
0.2017


■ 54.1514, 0.3236,
0.2765

■ 25.1450, 0.3543,
0.1904

■ 64.3985, 0.3188,
0.2979


■ 23.0780, 0.3608,
0.1835


■ 76.3216, 0.3146,
0.3187

 21.9397, 0.3670,
0.1811

 89.9921, 0.3110,
0.3387

 21.5978, 0.3700,
0.1812

 95.5205, 0.3084,
0.3430

 95.7615, 0.3061,
0.3390

 96.0077, 0.3039,
0.3350

 96.2592, 0.3017,
0.3311

Harmonies

Analogous

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



38.3724, 0.2512, 0.2057



38.3724, 0.3348, 0.2352



38.3724, 0.4233, 0.2834

Triad

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



38.3724, 0.3348, 0.2352



38.3724, 0.4314, 0.4631



38.3724, 0.1706, 0.2796

Complementary

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



38.3724, 0.3348, 0.2352



66.1701, 0.2969, 0.4463

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.



38.3724, 0.2065, 0.3700



38.3724, 0.3348, 0.2352



38.3724, 0.3560, 0.4923

Square

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



38.3724, 0.3348, 0.2352



38.3724, 0.4792, 0.4053



38.3724, 0.2737, 0.4592



38.3724, 0.1672, 0.2226

Rectangle

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



38.3724, 0.3348, 0.2352



38.3724, 0.4661, 0.3221



38.3724, 0.2737, 0.4592



38.3724, 0.1788, 0.3068

Sweetspot

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



38.3742, 0.3348, 0.2352



78.9154, 0.3183, 0.3000



27.8813, 0.2405, 0.1925



16.2732, 0.3193, 0.2954



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.



38.3742, 0.3348, 0.2352



39.8571, 0.3406, 0.2184



36.0587, 0.3920, 0.2895



15.2673, 0.3164, 0.3097



12.0417, 0.3691, 0.1807



0.9572, 0.3612, 0.1764

Inverse Universe

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



38.3742, 0.3348, 0.2352



39.8571, 0.3406, 0.2184



68.2166, 0.2695, 0.3741



15.2673, 0.3164, 0.3097



12.0417, 0.3691, 0.1807



0.9572, 0.3612, 0.1764

Previews

White Background



This preview shows how the Yxy color 38.3724, 0.3348, 0.2352 looks on a white background.

Color Contrast Check

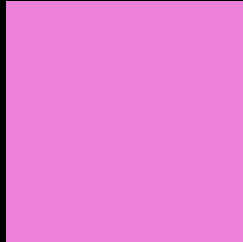
Large Text (above 18pt) WCAG AA × Fail

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 38.3724, 0.3348, 0.2352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

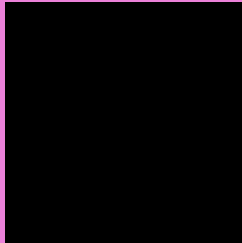
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3724, 0.3348, 0.2352

Background



This preview shows how black text looks on a background with the Yxy color 38.3724, 0.3348, 0.2352.



This preview shows how white text looks on a background with the Yxy color 38.3724, 0.3348, 0.2352.

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

38.3724, 0.3348, 0.2352

Protanopia

38.7453, 0.2384, 0.2276

Deuteranopia

38.7277, 0.2721, 0.2666



Tritanopia

38.4388, 0.3929, 0.3175

Trichromacy



Original Color

38.3724, 0.3348, 0.2352



Protanomaly

37.1877, 0.2666, 0.2274



Deuteranomaly

37.5021, 0.2925, 0.2518



Tritanomaly

38.3005, 0.3722, 0.2858

Monochromacy



Original Color

38.3724, 0.3348, 0.2352



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.8771, 0.3204, 0.2882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3724, 0.3348, 0.2352 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, 129, 217)` looks like.

```
.text, #text, p{  
    color:rgb(235, 129, 217)  
}
```

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, 129, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 129, 217) }
```

Border

The CSS property to change the border of an element to Yxy 38.3724, 0.3348, 0.2352 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, 129, 217) }
```

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

```
.border{ border-color:rgb(235, 129, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 129, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 129, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 129, 217);  
box-shadow:4px 4px 4px 4px rgb(235, 129,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3724, 0.3348, 0.2352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 129, 217) }
```

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

```
.background{ background-color: rgb(235,  
129, 217) }
```

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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