

Converting Colors

$Yxy(37.9495, 0.3442, 0.2426)$

Have a look what the booklet for
Yxy(37.9495, 0.3442, 0.2426)
contains.

Yxy(37.8747, 0.3439, 0.2420)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.8747, 0.3439, 0.2420)

Conversions

Conversions Part 1

Format	Color
Hex	EC80D1
RGB	236, 128, 209
RGB Percent	93%, 50%, 82%
CMY	0.0745, 0.4980, 0.1803
CMYK	0.00, 0.46, 0.11, 0.07
HSL	315°, 74%, 71%
HSV	315°, 46%, 93%
XYZ	53.8228, 37.8747, 64.8096
YIQ	169.5260, 38.3670, 48.0870

Conversions

Conversions Part 2

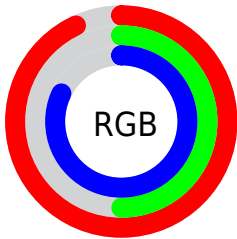
Format	Color
R _Y B	236, 128, 209
Decimal	15499473
CIE _{Lab}	67.93, 51.90, -23.53
CIE _{LCh}	68, 56.989, 335.609
Y _{xy}	37.8747, 0.3439, 0.2420
Android (android.graphics.Color)	4293689553 (0xFFEC80D1)
YUV	169.5260, 19.4607, 58.2977
Hunter-Lab	61.5424, 48.4104, -19.3579

Details

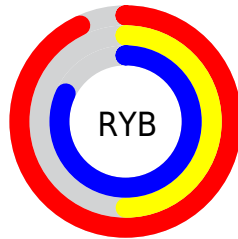
The Yxy color **37.8747, 0.3439, 0.2420** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **66.9483, 0.2923, 0.4366**, and the grayscale version is **39.8389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **16.6956, 0.3518, 0.2205** is the 20% darker color. If you saturate the color by 10%, you get **32.1327, 0.3532, 0.2253**, and if you desaturate by 10%, it is **45.0626, 0.3354, 0.2606**.

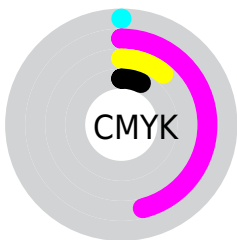
Distribution



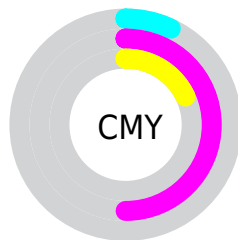
- Red (93%)
- Green (50%)
- Blue (82%)



- Red (93%)
- Yellow (50%)
- Blue (82%)



- Cyan (0%)
- Magenta (46%)
- Yellow (11%)
- Black (7%)




- Cyan (7%)
- Magenta (50%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8747, 0.3439, 0.2420 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 37.8747, 0.3439, 0.2420 by changing the saturation by 10% instead.


 37.8747, 0.3439,
0.2420


 37.8747, 0.3439,
0.2420


337.0822, 0.3294,
0.2835

 25.8855, 0.3472,
0.2323


 71.9160, 0.3389,
0.2566

 16.7380, 0.3513,
0.2202


 94.7369, 0.3369,
0.2622

 10.0478, 0.3564,
0.2048


 121.9372, 0.3352,
0.2670

 5.4307, 0.3629,
0.1846

153.9011, 0.3337,
0.2712

 2.5021, 0.3713,
0.1571

191.0132, 0.3324,
0.2748

 0.8777, 0.3823,
0.1184

233.6578, 0.3313,

 0.0000, 0.4216,

0.2781

0.0000

282.2193, 0.3303,
0.2809

0.0000, 0.0000,
0.0000

37.8747, 0.3439,
0.2420

37.8747, 0.3439,
0.2420

32.1327, 0.3532,
0.2253

45.0626, 0.3354,
0.2606

27.7304, 0.3631,
0.2114

53.7823, 0.3279,
0.2800

24.5559, 0.3734,
0.2015

64.1190, 0.3213,
0.2994

22.4761, 0.3836,
0.1961

76.1504, 0.3156,
0.3184

21.3273, 0.3935,
0.1956

89.9489, 0.3108,
0.3366

■ 21.0097, 0.3976,
0.1964

■ 95.9094, 0.3071,
0.3395

■ 96.2741, 0.3037,
0.3336

■ 96.5735, 0.3011,
0.3290

Harmonies

Analogous

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



37.8747, 0.2608, 0.2109



37.8747, 0.3439, 0.2420



37.8747, 0.4278, 0.2908

Triad

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



37.8747, 0.3439, 0.2420



37.8747, 0.4216, 0.4647



37.8747, 0.1725, 0.2738

Complementary

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



37.8747, 0.3439, 0.2420



66.9483, 0.2923, 0.4366

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.



37.8747, 0.2043, 0.3585



37.8747, 0.3439, 0.2420



37.8747, 0.3467, 0.4868

Square

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



37.8747, 0.3439, 0.2420



37.8747, 0.4715, 0.4106



37.8747, 0.2670, 0.4471



37.8747, 0.1723, 0.2218

Rectangle

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



37.8747, 0.3439, 0.2420



37.8747, 0.4661, 0.3292



37.8747, 0.2670, 0.4471



37.8747, 0.1794, 0.2989

Sweetspot

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



37.8765, 0.3439, 0.2420



78.7385, 0.3203, 0.3027



28.2866, 0.2447, 0.1921



16.2298, 0.3216, 0.2985



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.



37.8765, 0.3439, 0.2420



38.6299, 0.3527, 0.2261



35.6994, 0.4024, 0.2969



15.2457, 0.3176, 0.3115



11.6023, 0.3961, 0.1956



0.9263, 0.3834, 0.1886

Inverse Universe

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



37.8765, 0.3439, 0.2420



38.6299, 0.3527, 0.2261



69.0973, 0.2653, 0.3653



15.2457, 0.3176, 0.3115



11.6023, 0.3961, 0.1956



0.9263, 0.3834, 0.1886

Previews

White Background



This preview shows how the Yxy color 37.8747, 0.3439, 0.2420 looks on a white background.

Color Contrast Check

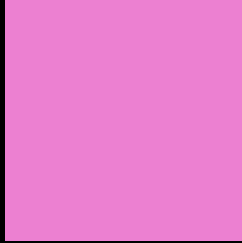
Large Text (above 18pt) WCAG AA × Fail

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 37.8747, 0.3439, 0.2420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

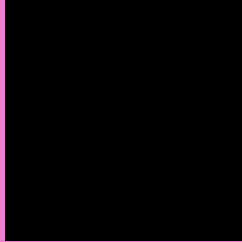
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8747, 0.3439, 0.2420

Background



This preview shows how black text looks on a background with the Yxy color 37.8747, 0.3439, 0.2420.



This preview shows how white text looks on a background with the Yxy color 37.8747, 0.3439, 0.2420.

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

37.8747, 0.3439, 0.2420

Protanopia

38.4467, 0.2440, 0.2361

Deuteranopia

37.9390, 0.2801, 0.2739



Tritanopia

37.6485, 0.3974, 0.3164

Trichromacy



Original Color

37.8747, 0.3439, 0.2420



Protanomaly

36.9713, 0.2739, 0.2359



Deuteranomaly

37.1676, 0.3019, 0.2599



Tritanomaly

37.7427, 0.3782, 0.2882

Monochromacy



Original Color

37.8747, 0.3439, 0.2420



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.3727, 0.3241, 0.2918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8747, 0.3439, 0.2420 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(236, 128, 209)` looks like.

```
.text, #text, p{  
    color:rgb(236, 128, 209)  
}
```

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(236, 128, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 128, 209) }
```

Border

The CSS property to change the border of an element to Yxy 37.8747, 0.3439, 0.2420 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(236, 128, 209) }
```

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

```
.border{ border-color:rgb(236, 128, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 128, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 128, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 128, 209);  
box-shadow:4px 4px 4px 4px rgb(236, 128,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8747, 0.3439, 0.2420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 128, 209) }
```

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

```
.background{ background-color: rgb(236,  
128, 209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor