

Converting Colors

$Y_{xy}(37.0806, 0.3405, 0.2423)$

Have a look what the booklet for
Yxy(37.0806, 0.3405, 0.2423)
contains.

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Color

Yxy(36.9813, 0.3400, 0.2415)

Conversions

Conversions Part 1

Format	Color
Hex	E780D0
RGB	231, 128, 208
RGB Percent	91%, 50%, 82%
CMY	0.0941, 0.4981, 0.1842
CMYK	0.00, 0.45, 0.10, 0.09
HSL	313°, 68%, 70%
HSV	313°, 45%, 91%
XYZ	52.0648, 36.9813, 64.0856
YIQ	167.9170, 35.7080, 46.7160

Conversions

Conversions Part 2

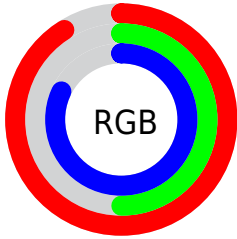
Format	Color
R _Y B	231, 128, 208
Decimal	15171792
CIE Lab	67.26, 50.22, -24.05
CIE LCh	67, 55.679, 334.407
Yxy	36.9813, 0.3400, 0.2415
Android (android.graphics.Color)	4293361872 (0xFFE780D0)
YUV	167.9170, 19.7609, 55.3238
Hunter-Lab	60.8123, 46.4024, -19.9128

Details

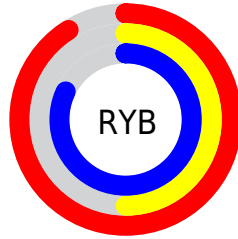
The Yxy color **36.9813, 0.3400, 0.2415** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **63.9814, 0.2942, 0.4370**, and the grayscale version is **39.0040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **16.2163, 0.3463, 0.2202** is the 20% darker color. If you saturate the color by 10%, you get **31.3779, 0.3482, 0.2240**, and if you desaturate by 10%, it is **43.9680, 0.3325, 0.2607**.

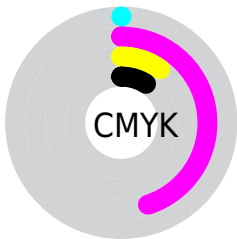
Distribution



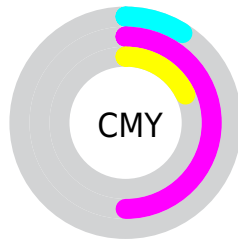
- Red (91%)
- Green (50%)
- Blue (82%)



- Red (91%)
- Yellow (50%)
- Blue (82%)



- Cyan (0%)
- Magenta (45%)
- Yellow (10%)
- Black (9%)





- Cyan (9%)
- Magenta (50%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9813, 0.3400, 0.2415 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 36.9813, 0.3400, 0.2415 by changing the saturation by 10% instead.


 36.9813, 0.3400,
0.2415


 36.9813, 0.3400,
0.2415


333.2296, 0.3274,
0.2834


 25.1930, 0.3428,
0.2317


 70.5440, 0.3357,
0.2563

 16.2209, 0.3463,
0.2194


 93.0872, 0.3340,
0.2619

 9.6806, 0.3505,
0.2037


 119.9842, 0.3325,
0.2668

 5.1877, 0.3559,
0.1831

151.6194, 0.3312,
0.2710

 2.3578, 0.3626,
0.1550

188.3771, 0.3301,
0.2747

 0.8041, 0.3707,
0.1150

230.6418, 0.3291,

 0.0000, 0.4011,

0.2779

0.0000

278.7978, 0.3282,
0.2808

0.0000, 0.0000,
0.0000

36.9813, 0.3400,
0.2415

36.9813, 0.3400,
0.2415

31.3779, 0.3482,
0.2240

43.9680, 0.3325,
0.2607

27.0583, 0.3569,
0.2094

52.4184, 0.3258,
0.2807

23.9180, 0.3659,
0.1985


62.4128, 0.3199,
0.3008

21.8335, 0.3748,
0.1921

74.0241, 0.3148,
0.3203

20.6539, 0.3834,
0.1905

87.3206, 0.3104,
0.3389

 20.2648, 0.3880,
0.1911

 94.7403, 0.3071,
0.3451

 95.0493, 0.3042,
0.3399

 95.3670, 0.3013,
0.3347

 95.6935, 0.2985,
0.3295

Harmonies

Analogous

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



36.9813, 0.2587, 0.2115



36.9813, 0.3400, 0.2415



36.9813, 0.4232, 0.2892

Triad

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



36.9813, 0.3400, 0.2415



36.9813, 0.4229, 0.4612



36.9813, 0.1749, 0.2775

Complementary

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



36.9813, 0.3400, 0.2415



63.9814, 0.2942, 0.4370

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.



36.9813, 0.2078, 0.3619



36.9813, 0.3400, 0.2415



36.9813, 0.3497, 0.4845

Square

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



36.9813, 0.3400, 0.2415



36.9813, 0.4705, 0.4075



36.9813, 0.2708, 0.4479



36.9813, 0.1735, 0.2247

Rectangle

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



36.9813, 0.3400, 0.2415



36.9813, 0.4621, 0.3271



36.9813, 0.2708, 0.4479



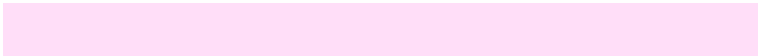
36.9813, 0.1822, 0.3028

Sweetspot

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



36.9830, 0.3400, 0.2415



80.1756, 0.3191, 0.3038



27.7206, 0.2456, 0.1957



16.5155, 0.3203, 0.2994



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.



36.9830, 0.3400, 0.2415



39.4494, 0.3479, 0.2245



34.8681, 0.3968, 0.2958



14.5573, 0.3172, 0.3109



11.3788, 0.3867, 0.1904



0.8544, 0.3751, 0.1840

Inverse Universe

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



36.9830, 0.3400, 0.2415



39.4494, 0.3479, 0.2245



66.0036, 0.2672, 0.3665



14.5573, 0.3172, 0.3109



11.3788, 0.3867, 0.1904



0.8544, 0.3751, 0.1840

Previews

White Background



This preview shows how the Yxy color 36.9813, 0.3400, 0.2415 looks on a white background.

Color Contrast Check

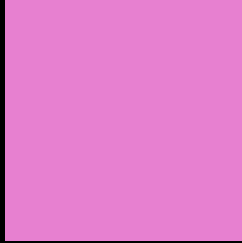
Large Text (above 18pt) WCAG AA × Fail

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 36.9813, 0.3400, 0.2415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

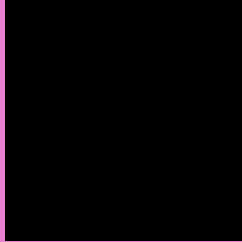
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9813, 0.3400, 0.2415

Background



This preview shows how black text looks on a background with the Yxy color 36.9813, 0.3400, 0.2415.



This preview shows how white text looks on a background with the Yxy color 36.9813, 0.3400, 0.2415.

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

36.9813, 0.3400, 0.2415

Protanopia

37.4746, 0.2446, 0.2364

Deuteranopia

37.3311, 0.2791, 0.2735



Tritanopia

36.8378, 0.3922, 0.3161

Trichromacy



Original Color

36.9813, 0.3400, 0.2415



Protanomaly

36.1932, 0.2728, 0.2361



Deuteranomaly

36.2936, 0.2990, 0.2590



Tritanomaly

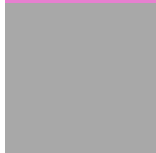
36.9178, 0.3731, 0.2874

Monochromacy



Original Color

36.9813, 0.3400, 0.2415



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.2777, 0.3223, 0.2901

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9813, 0.3400, 0.2415 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(231, 128, 208)` looks like.

```
.text, #text, p{  
    color:rgb(231, 128, 208)  
}
```

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(231, 128, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 128, 208) }
```

Border

The CSS property to change the border of an element to Yxy 36.9813, 0.3400, 0.2415 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(231, 128, 208) }
```

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

```
.border{ border-color:rgb(231, 128, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 128, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 128, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 128, 208);  
box-shadow:4px 4px 4px 4px rgb(231, 128,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9813, 0.3400, 0.2415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 128, 208) }
```

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

```
.background{ background-color: rgb(231,  
128, 208) }
```

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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