

Converting Colors

$Y_{xy}(36.8521, 0.3317, 0.2073)$

Have a look what the booklet for
Yxy(36.8521, 0.3317, 0.2073)
contains.

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Color

Yxy(36.8343, 0.3322, 0.2073)

Conversions

Conversions Part 1

Format	Color
Hex	F86DEA
RGB	248, 109, 234
RGB Percent	97%, 43%, 92%
CMY	0.0275, 0.5725, 0.0824
CMYK	0.00, 0.56, 0.06, 0.03
HSL	306°, 91%, 70%
HSV	306°, 56%, 97%
XYZ	59.0273, 36.8343, 81.8244
YIQ	164.8110, 42.7190, 68.3430

Conversions

Conversions Part 2

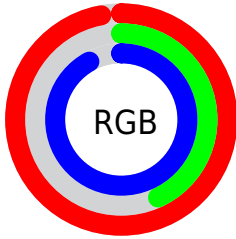
Format	Color
RYB	248, 109, 234
Decimal	16281066
CIELab	67.15, 68.17, -38.47
CIELCh	67, 78.275, 330.566
Yxy	36.8343, 0.3322, 0.2073
Android (android.graphics.Color)	4294471146 (0xFFF86DEA)
YUV	164.8110, 34.1102, 72.9568
Hunter-Lab	60.6913, 67.3963, -37.4513

Details

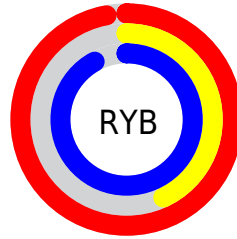
The Yxy color **36.8343, 0.3322, 0.2073** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **71.8151, 0.2985, 0.4933**, and the grayscale version is **37.3528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7524, 0.3168, 0.2422**, and **16.2298, 0.3346, 0.1803** is the 20% darker color. If you saturate the color by 10%, you get **32.1268, 0.3362, 0.1916**, and if you desaturate by 10%, it is **43.0394, 0.3282, 0.2263**.

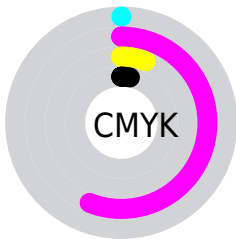
Distribution



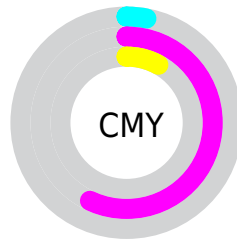
- Red (97%)
- Green (43%)
- Blue (92%)



- Red (97%)
- Yellow (43%)
- Blue (92%)



- Cyan (0%)
- Magenta (56%)
- Yellow (6%)
- Black (3%)




- Cyan (3%)
- Magenta (57%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8343, 0.3322, 0.2073 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 36.8343, 0.3322, 0.2073 by changing the saturation by 10% instead.


 36.8343, 0.3322,
0.2073


 36.8343, 0.3322,
0.2073

332.5926, 0.3250,
0.2630


 25.0792, 0.3333,
0.1949


 70.3179, 0.3301,
0.2264

 16.1361, 0.3344,
0.1800


 92.8151, 0.3292,
0.2339

 9.6205, 0.3353,
0.1615


 119.6619, 0.3283,
0.2404

 5.1481, 0.3356,
0.1384

151.2427, 0.3275,
0.2461

 2.3344, 0.3343,
0.1092

187.9417, 0.3268,
0.2511

 0.7918, 0.3291,
0.0723

230.1434, 0.3261,

 0.0000, 0.3224,

0.2555

0.0000

278.2322, 0.3255,
0.2595

■ 0.0000, 0.2134,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.8343, 0.3322,
0.2073

■ 36.8343, 0.3322,
0.2073

■ 32.1268, 0.3362,
0.1916

■ 43.0394, 0.3282,
0.2263

■ 28.7826, 0.3402,
0.1799


■ 50.8512, 0.3243,
0.2475


■ 26.6525, 0.3439,
0.1726

■ 60.3744, 0.3207,
0.2701


■ 25.5492, 0.3473,
0.1698


■ 71.7034, 0.3173,
0.2931

 25.2825, 0.3486,
0.1694

 84.9258, 0.3144,
0.3157

 98.3142, 0.3118,
0.3348

 98.4714, 0.3104,
0.3324

 98.6306, 0.3090,
0.3300

 98.6956, 0.3084,
0.3290

Harmonies

Analogous

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



36.8343, 0.2262, 0.1735



36.8343, 0.3322, 0.2073



36.8343, 0.4535, 0.2638

Triad

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



36.8343, 0.3322, 0.2073



36.8343, 0.4615, 0.4887



36.8343, 0.1346, 0.2646

Complementary

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



36.8343, 0.3322, 0.2073



71.8151, 0.2985, 0.4933

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.



36.8343, 0.1773, 0.3906



36.8343, 0.3322, 0.2073



36.8343, 0.3649, 0.5465

Square

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



36.8343, 0.3322, 0.2073



36.8343, 0.5273, 0.4086



36.8343, 0.2614, 0.5178



36.8343, 0.1307, 0.1933

Rectangle

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



36.8343, 0.3322, 0.2073



36.8343, 0.5133, 0.3091



36.8343, 0.2614, 0.5178



36.8343, 0.1441, 0.3011

Sweetspot

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



36.8360, 0.3322, 0.2073



75.1138, 0.3177, 0.2908



21.9229, 0.2124, 0.1523



15.5321, 0.3183, 0.2862



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.



36.8360, 0.3322, 0.2073



33.7835, 0.3367, 0.1901



33.5991, 0.4116, 0.2715



17.4926, 0.3153, 0.3079



13.6703, 0.3481, 0.1691



1.2746, 0.3444, 0.1671

Inverse Universe

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



36.8360, 0.3322, 0.2073



33.7835, 0.3367, 0.1901



74.2079, 0.2665, 0.4001



17.4926, 0.3153, 0.3079



13.6703, 0.3481, 0.1691



1.2746, 0.3444, 0.1671

Previews

White Background



This preview shows how the Yxy color 36.8343, 0.3322, 0.2073 looks on a white background.

Color Contrast Check

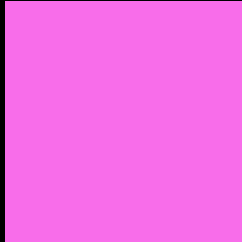
Large Text (above 18pt) WCAG AA × Fail

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 36.8343, 0.3322, 0.2073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

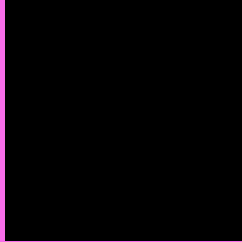
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8343, 0.3322, 0.2073

Background



This preview shows how black text looks on a background with the Yxy color 36.8343, 0.3322, 0.2073.



This preview shows how white text looks on a background with the Yxy color 36.8343, 0.3322, 0.2073.

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

36.8343, 0.3322, 0.2073

Protanopia

37.2989, 0.2246, 0.2111

Deuteranopia

37.2062, 0.2507, 0.2454



Tritanopia

36.6327, 0.4203, 0.3182

Trichromacy



Original Color

36.8343, 0.3322, 0.2073



Protanomaly

34.8321, 0.2546, 0.2040



Deuteranomaly

35.1914, 0.2760, 0.2253



Tritanomaly

36.3877, 0.3882, 0.2740

Monochromacy



Original Color

36.8343, 0.3322, 0.2073



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.5706, 0.3204, 0.2718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8343, 0.3322, 0.2073 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(248, 109, 234)` looks like.

```
.text, #text, p{  
    color:rgb(248, 109, 234)  
}
```

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(248, 109, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 109, 234) }
```

Border

The CSS property to change the border of an element to Yxy 36.8343, 0.3322, 0.2073 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(248, 109, 234) }
```

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

```
.border{ border-color:rgb(248, 109, 234) }
```

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

Here you see how a box with a 4 pixel rgb(248, 109, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 109, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 109, 234);  
box-shadow:4px 4px 4px 4px rgb(248, 109,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8343, 0.3322, 0.2073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 109, 234) }
```

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

```
.background{ background-color: rgb(248,  
109, 234) }
```

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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