

Converting Colors

Yxy(34.8747, 0.3036, 0.1839)

Have a look what the booklet for
Yxy(34.8747, 0.3036, 0.1839)
contains.

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Color

Yxy(34.8608, 0.3035, 0.1835)

Conversions

Conversions Part 1

Format	Color
Hex	ED67FE
RGB	237, 103, 254
RGB Percent	93%, 40%, 100%
CMY	0.0707, 0.5960, 0.0039
CMYK	0.07, 0.59, 0.00, 0.00
HSL	293°, 99%, 70%
HSV	293°, 59%, 100%
XYZ	57.6581, 34.8608, 97.4583
YIQ	160.2800, 31.3930, 75.3690

Conversions

Conversions Part 2

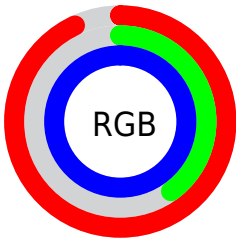
Format	Color
R _Y B	237, 103, 254
Decimal	15558654
CIE Lab	65.64, 71.37, -51.99
CIE LCh	66, 88.293, 323.929
Yxy	34.8608, 0.3035, 0.1835
Android (android.graphics.Color)	4293748734 (0xFFED67FE)
YUV	160.2800, 46.2040, 67.2834
Hunter-Lab	59.0430, 70.9876, -56.5358

Details

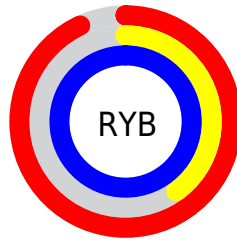
The Yxy color **34.8608, 0.3035, 0.1835** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.8630, 0.3114, 0.5175**, and the grayscale version is **35.0660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **15.0138, 0.2967, 0.1526** is the 20% darker color. If you saturate the color by 10%, you get **30.0630, 0.3009, 0.1658**, and if you desaturate by 10%, it is **41.2037, 0.3059, 0.2048**.

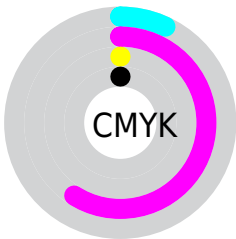
Distribution



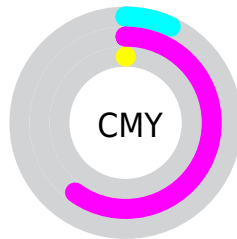
- Red (93%)
- Green (40%)
- Blue (100%)



- Red (93%)
- Yellow (40%)
- Blue (100%)



- Cyan (7%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8608, 0.3035, 0.1835 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 34.8608, 0.3035, 0.1835 by changing the saturation by 10% instead.

 34.8608, 0.3035,
0.1835


 34.8608, 0.3035,
0.1835


323.9535, 0.3115,
0.2486

 23.5557, 0.3007,
0.1696


 67.2701, 0.3070,
0.2054


 15.0043, 0.2969,
0.1530


 89.1430, 0.3082,
0.2141

 8.8224, 0.2913,
0.1331


 115.3073, 0.3091,
0.2217

 4.6255, 0.2828,
0.1090

 146.1474, 0.3098,
0.2284

 2.0293, 0.2694,
0.0802

182.0477, 0.3104,
0.2344

 0.6244, 0.2475,
0.0455

223.3925, 0.3108,

 0.0000, 0.2114,

0.2396

0.0000

270.5663, 0.3112,
0.2444

■ 0.0000, 0.0935,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.8608, 0.3035,
0.1835

■ 34.8608, 0.3035,
0.1835

■ 30.0630, 0.3009,
0.1658

■ 41.2037, 0.3059,
0.2048

■ 26.6619, 0.2981,
0.1524


■ 49.2132, 0.3079,
0.2286


■ 24.4879, 0.2952,
0.1434

■ 59.0036, 0.3096,
0.2540

■ 23.2771, 0.2922,
0.1385

■ 70.6781, 0.3109,
0.2800

 23.2202, 0.2921,
0.1383

 84.3319, 0.3120,
0.3056

99.7779, 0.3128,
0.3299

99.9360, 0.3133,
0.3299

Harmonies

Analogous

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



34.8608, 0.1952, 0.1536



34.8608, 0.3035, 0.1835



34.8608, 0.4442, 0.2396

Triad

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



34.8608, 0.3035, 0.1835



34.8608, 0.4928, 0.4793



34.8608, 0.1214, 0.2790

Complementary

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



34.8608, 0.3035, 0.1835



75.8630, 0.3114, 0.5175

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.



34.8608, 0.1756, 0.4371



34.8608, 0.3035, 0.1835



34.8608, 0.3884, 0.5639

Square

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



34.8608, 0.3035, 0.1835



34.8608, 0.5597, 0.3895



34.8608, 0.2744, 0.5699



34.8608, 0.1107, 0.1881

Rectangle

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



34.8608, 0.3035, 0.1835



34.8608, 0.5231, 0.2862



34.8608, 0.2744, 0.5699



34.8608, 0.1339, 0.3256

Sweetspot

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



34.8623, 0.3035, 0.1835



73.1612, 0.3111, 0.2837



23.6294, 0.2010, 0.1569



14.8647, 0.3108, 0.2761



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.



34.8623, 0.3035, 0.1835



29.7012, 0.3005, 0.1634



34.7693, 0.3801, 0.2372



18.1902, 0.3120, 0.3055



12.2827, 0.2926, 0.1385



1.2243, 0.2960, 0.1404

Inverse Universe

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



32.1354, 0.4785, 0.3130



26.9657, 0.5307, 0.3130



76.3409, 0.2797, 0.4498



18.0204, 0.3277, 0.3263



11.1651, 0.6268, 0.3227



1.0974, 0.6037, 0.3099

Previews

White Background



This preview shows how the Yxy color 34.8608, 0.3035, 0.1835 looks on a white background.

Color Contrast Check

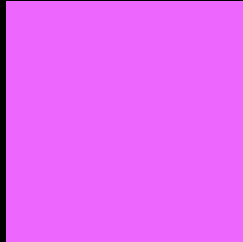
Large Text (above 18pt) WCAG AA × Fail

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 34.8608, 0.3035, 0.1835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

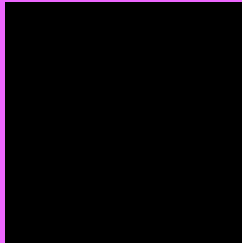
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.8608, 0.3035, 0.1835

Background



This preview shows how black text looks on a background with the Yxy color 34.8608, 0.3035, 0.1835.



This preview shows how white text looks on a background with the Yxy color 34.8608, 0.3035, 0.1835.

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

34.8608, 0.3035, 0.1835

Protanopia

35.3270, 0.2193, 0.2047

Deuteranopia

35.1795, 0.2237, 0.2174



Tritanopia

34.7518, 0.4017, 0.3173

Trichromacy



Original Color

34.8608, 0.3035, 0.1835



Protanomaly

32.8979, 0.2423, 0.1894



Deuteranomaly

32.8196, 0.2452, 0.1969

Tritanomaly

34.1206, 0.3636, 0.2599

Monochromacy



Original Color

34.8608, 0.3035, 0.1835



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.0516, 0.3100, 0.2580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8608, 0.3035, 0.1835 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(237, 103, 254)` looks like.

```
.text, #text, p{  
    color:rgb(237, 103, 254)  
}
```

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(237, 103, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 103, 254) }
```

Border

The CSS property to change the border of an element to Yxy 34.8608, 0.3035, 0.1835 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(237, 103, 254) }
```

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

```
.border{ border-color:rgb(237, 103, 254) }
```

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

Here you see how a box with a 4 pixel rgb(237, 103, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 103, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 103, 254);  
box-shadow:4px 4px 4px 4px rgb(237, 103,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8608, 0.3035, 0.1835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 103, 254) }
```

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

```
.background{ background-color: rgb(237,  
103, 254) }
```

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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