

Converting Colors

$Y_{xy}(33.3935, 0.3080, 0.1827)$

Have a look what the booklet for
Yxy(33.3935, 0.3080, 0.1827)
contains.

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Color

Yxy(33.3935, 0.3080, 0.1827)

Conversions

Conversions Part 1

Format	Color
Hex	ED61F9
RGB	237, 97, 249
RGB Percent	93%, 38%, 98%
CMY	0.0706, 0.6195, 0.0236
CMYK	0.05, 0.61, 0.00, 0.02
HSL	295°, 93%, 68%
HSV	295°, 61%, 98%
XYZ	56.2956, 33.3935, 93.0887
YIQ	156.1880, 34.6480, 76.9520

Conversions

Conversions Part 2

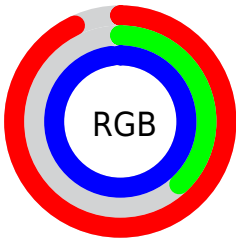
Format	Color
R _Y B	237, 97, 249
Decimal	15557113
CIE Lab	64.48, 73.01, -51.06
CIE LCh	64, 89.099, 325.032
Yxy	33.3935, 0.3080, 0.1827
Android (android.graphics.Color)	4293747193 (0xFFED61F9)
YUV	156.1880, 45.7563, 70.8721
Hunter-Lab	57.7871, 72.7653, -55.0587

Details

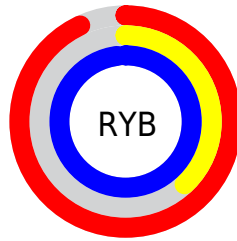
The Yxy color **33.3935, 0.3080, 0.1827** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **71.8573, 0.3087, 0.5239**, and the grayscale version is **33.1171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9227, 0.3173, 0.2320**, and **14.1993, 0.3026, 0.1516** is the 20% darker color. If you saturate the color by 10%, you get **29.1563, 0.3064, 0.1664**, and if you desaturate by 10%, it is **39.0807, 0.3094, 0.2028**.

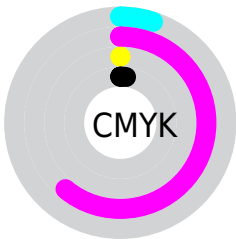
Distribution



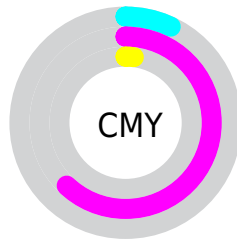
- Red (93%)
- Green (38%)
- Blue (98%)



- Red (93%)
- Yellow (38%)
- Blue (98%)



- Cyan (5%)
- Magenta (61%)
- Yellow (0%)
- Black (2%)





- Cyan (7%)
- Magenta (62%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3935, 0.3080, 0.1827 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 33.3935, 0.3080, 0.1827 by changing the saturation by 10% instead.


 33.3935, 0.3080,
0.1827

 33.3935, 0.3080,
0.1827


317.4192, 0.3139,
0.2485


 22.4281, 0.3057,
0.1686


 64.9894, 0.3108,
0.2049


 14.1718, 0.3024,
0.1517


 86.3886, 0.3117,
0.2137

 8.2402, 0.2974,
0.1313


 112.0346, 0.3123,
0.2214

 4.2491, 0.2896,
0.1068

 142.3117, 0.3128,
0.2282

 1.8138, 0.2769,
0.0774

177.6043, 0.3132,
0.2342

 0.4958, 0.2561,
0.0398

218.2968, 0.3135,

 0.0000, 0.2182,

0.2395

0.0000

264.7736, 0.3137,
0.2443

■ 0.0000, 0.0727,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.3935, 0.3080,
0.1827

■ 33.3935, 0.3080,
0.1827

■ 29.1563, 0.3064,
0.1664

■ 39.0807, 0.3094,
0.2028

■ 26.2244, 0.3046,
0.1543


■ 46.3356, 0.3106,
0.2257

■ 24.4311, 0.3026,
0.1468


■ 55.2691, 0.3114,
0.2505


■ 23.5532, 0.3008,
0.1431


■ 65.9805, 0.3121,
0.2761

 78.5616, 0.3125,
0.3017

 93.0979, 0.3127,
0.3265

 98.8208, 0.3135,
0.3348

 99.1870, 0.3148,
0.3348

 99.5570, 0.3160,
0.3347

Harmonies

Analogous

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



33.3935, 0.1961, 0.1514



33.3935, 0.3080, 0.1827



33.3935, 0.4522, 0.2402

Triad

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



33.3935, 0.3080, 0.1827



33.3935, 0.4914, 0.4840



33.3935, 0.1170, 0.2726

Complementary

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



33.3935, 0.3080, 0.1827



71.8573, 0.3087, 0.5239

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.



33.3935, 0.1696, 0.4331



33.3935, 0.3080, 0.1827



33.3935, 0.3840, 0.5706

Square

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



33.3935, 0.3080, 0.1827



33.3935, 0.5626, 0.3920



33.3935, 0.2684, 0.5739



33.3935, 0.1080, 0.1831

Rectangle

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



33.3935, 0.3080, 0.1827



33.3935, 0.5312, 0.2875



33.3935, 0.2684, 0.5739



33.3935, 0.1290, 0.3192

Sweetspot

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



33.3950, 0.3080, 0.1827



73.4497, 0.3122, 0.2838



20.4638, 0.1967, 0.1460



14.9362, 0.3121, 0.2764



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.



33.3950, 0.3080, 0.1827



30.0383, 0.3060, 0.1635



32.2203, 0.3889, 0.2402



17.4508, 0.3125, 0.3055



12.6384, 0.3012, 0.1433



1.1906, 0.3037, 0.1446

Inverse Universe

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



29.7936, 0.4921, 0.3180



26.1306, 0.5478, 0.3185



72.8346, 0.2770, 0.4466



17.2474, 0.3282, 0.3272



10.8147, 0.6317, 0.3253



1.0090, 0.6131, 0.3151

Previews

White Background



This preview shows how the Yxy color 33.3935, 0.3080, 0.1827 looks on a white background.

Color Contrast Check

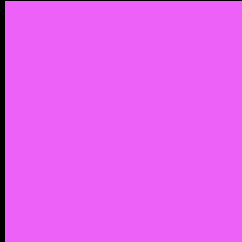
Large Text (above 18pt) WCAG AA × Fail

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 33.3935, 0.3080, 0.1827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

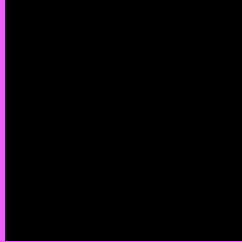
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3935, 0.3080, 0.1827

Background



This preview shows how black text looks on a background with the Yxy color 33.3935, 0.3080, 0.1827.



This preview shows how white text looks on a background with the Yxy color 33.3935, 0.3080, 0.1827.

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

33.3935, 0.3080, 0.1827

Protanopia

33.9760, 0.2159, 0.2000

Deuteranopia

33.7219, 0.2241, 0.2179



Tritanopia

33.2235, 0.4111, 0.3186

Trichromacy



Original Color

33.3935, 0.3080, 0.1827



Protanomaly

31.2378, 0.2399, 0.1854



Deuteranomaly

31.2726, 0.2468, 0.1962



Tritanomaly

32.4309, 0.3719, 0.2600

Monochromacy



Original Color

33.3935, 0.3080, 0.1827



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.3599, 0.3110, 0.2569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3935, 0.3080, 0.1827 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, 97, 249)` looks like.

```
.text, #text, p{  
    color:rgb(237, 97, 249)  
}
```

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, 97, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 97, 249) }
```

Border

The CSS property to change the border of an element to Yxy 33.3935, 0.3080, 0.1827 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, 97, 249) }
```

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

```
.border{ border-color:rgb(237, 97, 249) }
```

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

Here you see how a box with a 4 pixel rgb(237, 97, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 97, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 97, 249);  
box-shadow:4px 4px 4px 4px rgb(237, 97,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3935, 0.3080, 0.1827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 97, 249) }
```

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

```
.background{ background-color: rgb(237, 97,  
249) }
```

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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