

Converting Colors

$Y_{xy}(33.1777, 0.3063, 0.1842)$

Have a look what the booklet for
Yxy(33.1777, 0.3063, 0.1842)
contains.

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Color

Yxy(33.1315, 0.3069, 0.1843)

Conversions

Conversions Part 1

Format	Color
Hex	EA63F7
RGB	234, 99, 247
RGB Percent	92%, 39%, 97%
CMY	0.0825, 0.6116, 0.0314
CMYK	0.05, 0.60, 0.00, 0.03
HSL	295°, 90%, 68%
HSV	295°, 60%, 97%
XYZ	55.1712, 33.1315, 91.4667
YIQ	156.2370, 32.9520, 74.6480

Conversions

Conversions Part 2

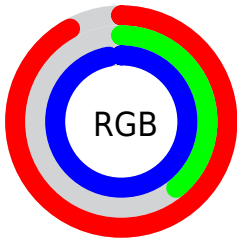
Format	Color
R _Y B	234, 99, 247
Decimal	15361015
CIE Lab	64.27, 71.11, -50.32
CIE LCh	64, 87.112, 324.715
Yxy	33.1315, 0.3069, 0.1843
Android (android.graphics.Color)	4293551095 (0xFFEA63F7)
YUV	156.2370, 44.7462, 68.1982
Hunter-Lab	57.5600, 70.3623, -53.9238

Details

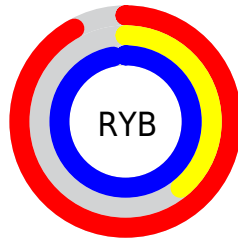
The Yxy color **33.1315, 0.3069, 0.1843** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **70.8597, 0.3095, 0.5198**, and the grayscale version is **33.1483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5939, 0.3172, 0.2338**, and **14.0337, 0.3011, 0.1532** is the 20% darker color. If you saturate the color by 10%, you get **28.7795, 0.3050, 0.1673**, and if you desaturate by 10%, it is **38.9215, 0.3085, 0.2049**.

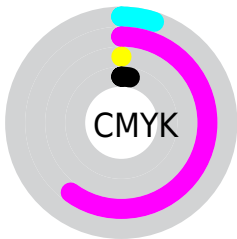
Distribution



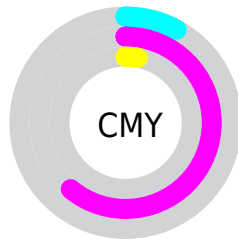
- Red (92%)
- Green (39%)
- Blue (97%)



- Red (92%)
- Yellow (39%)
- Blue (97%)



- Cyan (5%)
- Magenta (60%)
- Yellow (0%)
- Black (3%)





- Cyan (8%)
- Magenta (61%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1315, 0.3069, 0.1843 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 33.1315, 0.3069, 0.1843 by changing the saturation by 10% instead.


 33.1315, 0.3069,
0.1843


 33.1315, 0.3069,
0.1843


316.2419, 0.3132,
0.2497


 22.2272, 0.3045,
0.1702


 64.5808, 0.3099,
0.2064

 14.0239, 0.3010,
0.1533


 85.8945, 0.3108,
0.2152

 8.1373, 0.2959,
0.1329


 111.4469, 0.3115,
0.2229

 4.1829, 0.2879,
0.1081

 141.6223, 0.3120,
0.2296

 1.7764, 0.2748,
0.0784

176.8051, 0.3124,
0.2355

 0.4724, 0.2535,
0.0396

217.3797, 0.3128,

 0.0000, 0.2142,

0.2408

0.0000

263.7305, 0.3130,
0.2455

■ 0.0000, 0.0432,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.1315, 0.3069,
0.1843

■ 33.1315, 0.3069,
0.1843

■ 28.7795, 0.3050,
0.1673

■ 38.9215, 0.3085,
0.2049

■ 25.7260, 0.3030,
0.1546

■ 46.2633, 0.3099,
0.2283

■ 23.8115, 0.3008,
0.1463

■ 55.2642, 0.3110,
0.2533

■ 22.7719, 0.2985,
0.1418

■ 66.0208, 0.3118,
0.2790

22.7629, 0.2985,
0.1418

78.6223, 0.3124,
0.3045

93.1518, 0.3127,
0.3292

98.4061, 0.3137,
0.3367

98.8080, 0.3151,
0.3367

99.2146, 0.3164,
0.3367

Harmonies

Analogous

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



33.1315, 0.1971, 0.1536



33.1315, 0.3069, 0.1843



33.1315, 0.4482, 0.2410

Triad

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



33.1315, 0.3069, 0.1843



33.1315, 0.4907, 0.4820



33.1315, 0.1201, 0.2754

Complementary

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



33.1315, 0.3069, 0.1843



70.8597, 0.3095, 0.5198

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.



33.1315, 0.1731, 0.4329



33.1315, 0.3069, 0.1843



33.1315, 0.3854, 0.5662

Square

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



33.1315, 0.3069, 0.1843



33.1315, 0.5594, 0.3916



33.1315, 0.2712, 0.5691



33.1315, 0.1104, 0.1862

Rectangle

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



33.1315, 0.3069, 0.1843



33.1315, 0.5262, 0.2879



33.1315, 0.2712, 0.5691



33.1315, 0.1323, 0.3215

Sweetspot

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



33.1330, 0.3069, 0.1843



73.3723, 0.3119, 0.2838



21.3671, 0.1996, 0.1527



14.9170, 0.3117, 0.2763



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.



33.1330, 0.3069, 0.1843



30.1022, 0.3046, 0.1641



32.3249, 0.3838, 0.2391



16.6898, 0.3124, 0.3056



12.0726, 0.2989, 0.1420



1.0824, 0.3018, 0.1436

Inverse Universe

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



29.8735, 0.4850, 0.3167



26.5147, 0.5411, 0.3170



71.6408, 0.2784, 0.4473



16.5062, 0.3280, 0.3270



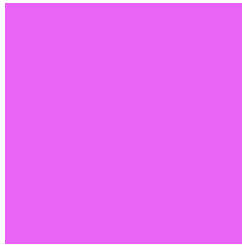
10.4964, 0.6303, 0.3246



0.9305, 0.6090, 0.3129

Previews

White Background



This preview shows how the Yxy color 33.1315, 0.3069, 0.1843 looks on a white background.

Color Contrast Check

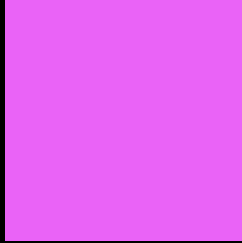
Large Text (above 18pt) WCAG AA × Fail

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 33.1315, 0.3069, 0.1843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

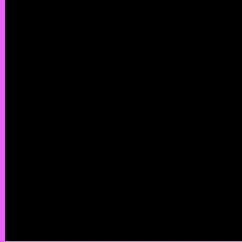
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1315, 0.3069, 0.1843

Background



This preview shows how black text looks on a background with the Yxy color 33.1315, 0.3069, 0.1843.



This preview shows how white text looks on a background with the Yxy color 33.1315, 0.3069, 0.1843.

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

33.1315, 0.3069, 0.1843

Protanopia

33.5799, 0.2151, 0.1985

Deuteranopia

33.3390, 0.2253, 0.2187



Tritanopia

32.7802, 0.4067, 0.3172

Trichromacy



Original Color

33.1315, 0.3069, 0.1843



Protanomaly

31.0724, 0.2397, 0.1859



Deuteranomaly

31.1524, 0.2481, 0.1980



Tritanomaly

32.1788, 0.3684, 0.2602

Monochromacy



Original Color

33.1315, 0.3069, 0.1843



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.1924, 0.3109, 0.2578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1315, 0.3069, 0.1843 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(234, 99, 247)` looks like.

```
.text, #text, p{  
    color:rgb(234, 99, 247)  
}
```

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(234, 99, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 99, 247) }
```

Border

The CSS property to change the border of an element to Yxy 33.1315, 0.3069, 0.1843 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(234, 99, 247) }
```

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

```
.border{ border-color:rgb(234, 99, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 99, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 99, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 99, 247);  
box-shadow:4px 4px 4px 4px rgb(234, 99,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1315, 0.3069, 0.1843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 99, 247) }
```

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

```
.background{ background-color: rgb(234, 99,  
247) }
```

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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