

Converting Colors

Yxy(36.6363, 0.3215, 0.2028)

Have a look what the booklet for
Yxy(36.6363, 0.3215, 0.2028)
contains.

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Color

Yxy(36.4781, 0.3215, 0.2026)

Conversions

Conversions Part 1

Format	Color
Hex	F26FEF
RGB	242, 111, 239
RGB Percent	95%, 44%, 94%
CMY	0.0510, 0.5647, 0.0626
CMYK	0.00, 0.54, 0.01, 0.05
HSL	301°, 83%, 69%
HSV	301°, 54%, 95%
XYZ	57.8860, 36.4781, 85.6857
YIQ	164.7610, 36.9880, 67.5800

Conversions

Conversions Part 2

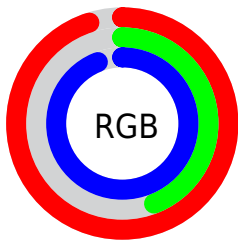
Format	Color
R _Y B	242, 111, 239
Decimal	15888367
CIE _{Lab}	66.88, 66.56, -41.75
CIE _{LCh}	67, 78.571, 327.906
Yxy	36.4781, 0.3215, 0.2026
Android (android.graphics.Color)	4294078447 (0xFFFF26FEF)
YUV	164.7610, 36.5998, 67.7386
Hunter-Lab	60.3971, 65.3837, -41.8371

Details

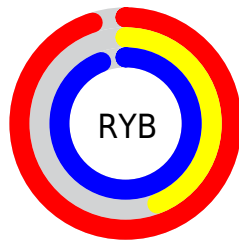
The Yxy color **36.4781, 0.3215, 0.2026** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **68.0947, 0.3033, 0.4996**, and the grayscale version is **37.3157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4853, 0.3167, 0.2441**, and **15.9422, 0.3200, 0.1741** is the 20% darker color. If you saturate the color by 10%, you get **31.8629, 0.3230, 0.1854**, and if you desaturate by 10%, it is **42.5268, 0.3199, 0.2231**.

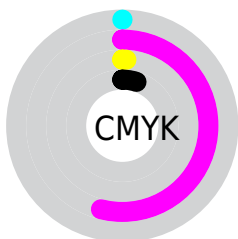
Distribution



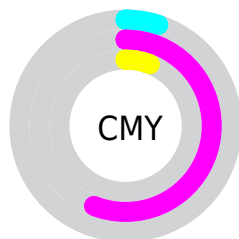
- Red (95%)
- Green (44%)
- Blue (94%)



- Red (95%)
- Yellow (44%)
- Blue (94%)



- Cyan (0%)
- Magenta (54%)
- Yellow (1%)
- Black (5%)




- Cyan (5%)
- Magenta (56%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.4781, 0.3215, 0.2026 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 36.4781, 0.3215, 0.2026 by changing the saturation by 10% instead.


 36.4781, 0.3215,
0.2026


 36.4781, 0.3215,
0.2026


331.0454, 0.3198,
0.2603


 24.8037, 0.3212,
0.1899


 69.7694, 0.3214,
0.2223

 15.9308, 0.3206,
0.1745


 92.1550, 0.3212,
0.2301

 9.4752, 0.3191,
0.1557


 118.8798, 0.3210,
0.2368

 5.0524, 0.3162,
0.1322

150.3282, 0.3208,
0.2427

 2.2781, 0.3105,
0.1029

186.8845, 0.3205,
0.2479

 0.7621, 0.2987,
0.0664

228.9333, 0.3203,

 0.0000, 0.2799,

0.2525

0.0000

276.8588, 0.3200,
0.2566

■ 0.0000, 0.1499,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.4781, 0.3215,
0.2026

■ 36.4781, 0.3215,
0.2026

■ 31.8629, 0.3230,
0.1854

■ 42.5268, 0.3199,
0.2231

■ 28.5577, 0.3243,
0.1722


■ 50.1092, 0.3182,
0.2459

■ 26.4268, 0.3254,
0.1633

■ 59.3223, 0.3165,
0.2702

■ 25.3025, 0.3263,
0.1586

■ 70.2537, 0.3149,
0.2948


 24.9643, 0.3267,
0.1573

 82.9848, 0.3133,
0.3192

 96.8262, 0.3119,
0.3415

 96.8590, 0.3116,
0.3409

 96.8920, 0.3113,
0.3404

 96.9251, 0.3110,
0.3398

Harmonies

Analogous

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



36.4781, 0.2181, 0.1710



36.4781, 0.3215, 0.2026



36.4781, 0.4445, 0.2577

Triad

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



36.4781, 0.3215, 0.2026



36.4781, 0.4696, 0.4824



36.4781, 0.1358, 0.2731

Complementary

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



36.4781, 0.3215, 0.2026



68.0947, 0.3033, 0.4996

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.



36.4781, 0.1823, 0.4039



36.4781, 0.3215, 0.2026



36.4781, 0.3741, 0.5452

Square

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



36.4781, 0.3215, 0.2026



36.4781, 0.5317, 0.4016



36.4781, 0.2697, 0.5268



36.4781, 0.1288, 0.1967

Rectangle

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



36.4781, 0.3215, 0.2026



36.4781, 0.5085, 0.3025



36.4781, 0.2697, 0.5268



36.4781, 0.1464, 0.3116

Sweetspot

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



36.4798, 0.3215, 0.2026



76.6154, 0.3152, 0.2901



21.3020, 0.2092, 0.1561



15.8369, 0.3155, 0.2850



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.



36.4798, 0.3215, 0.2026



35.4283, 0.3231, 0.1838



33.3134, 0.3926, 0.2617



16.0249, 0.3141, 0.3063



13.4145, 0.3266, 0.1573



1.1179, 0.3258, 0.1568

Inverse Universe

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



36.4798, 0.3215, 0.2026



35.4283, 0.3231, 0.1838



70.1227, 0.2728, 0.4122



16.0249, 0.3141, 0.3063



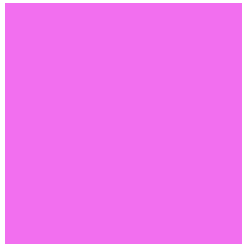
13.4145, 0.3266, 0.1573



1.1179, 0.3258, 0.1568

Previews

White Background



This preview shows how the Yxy color 36.4781, 0.3215, 0.2026 looks on a white background.

Color Contrast Check

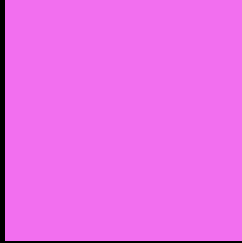
Large Text (above 18pt) WCAG AA × Fail

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 36.4781, 0.3215, 0.2026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

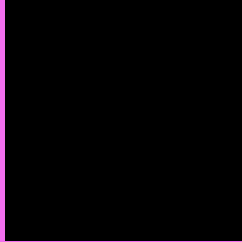
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.4781, 0.3215, 0.2026

Background



This preview shows how black text looks on a background with the Yxy color 36.4781, 0.3215, 0.2026.

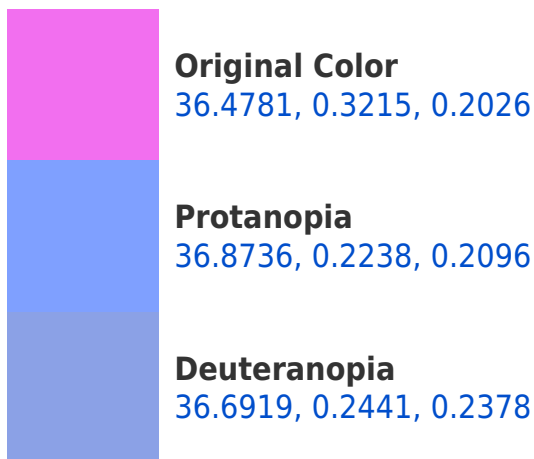


This preview shows how white text looks on a background with the Yxy color 36.4781, 0.3215, 0.2026.

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





Tritanopia

36.3612, 0.4084, 0.3177

Trichromacy



Original Color

36.4781, 0.3215, 0.2026



Protanomaly

34.6206, 0.2511, 0.2015



Deuteranomaly

34.7582, 0.2673, 0.2189



Tritanomaly

35.8385, 0.3759, 0.2702

Monochromacy



Original Color

36.4781, 0.3215, 0.2026



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.3940, 0.3165, 0.2691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4781, 0.3215, 0.2026 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(242, 111, 239)` looks like.

```
.text, #text, p{  
    color:rgb(242, 111, 239)  
}
```

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(242, 111, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 111, 239) }
```

Border

The CSS property to change the border of an element to Yxy 36.4781, 0.3215, 0.2026 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(242, 111, 239) }
```

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

```
.border{ border-color:rgb(242, 111, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 111, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 111, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 111, 239);  
box-shadow:4px 4px 4px 4px rgb(242, 111,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4781, 0.3215, 0.2026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 111, 239) }
```

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

```
.background{ background-color: rgb(242,  
111, 239) }
```

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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