

Converting Colors

Yxy(34.9628, 0.3066, 0.1820)

Have a look what the booklet for
Yxy(34.9628, 0.3066, 0.1820)
contains.

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Color

Yxy(34.8445, 0.3064, 0.1816)

Conversions

Conversions Part 1

Format	Color
Hex	F163FF
RGB	241, 99, 255
RGB Percent	95%, 39%, 100%
CMY	0.0549, 0.6118, 0.0000
CMYK	0.05, 0.61, 0.00, 0.00
HSL	295°, 100%, 69%
HSV	295°, 61%, 100%
XYZ	58.7905, 34.8445, 98.2400
YIQ	159.2420, 34.5560, 78.6200

Conversions

Conversions Part 2

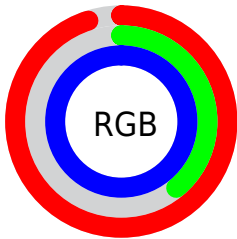
Format	Color
R _Y B	241, 99, 255
Decimal	15819775
CIE _{Lab}	65.63, 74.17, -52.52
CIE _{LCh}	66, 90.886, 324.698
Yxy	34.8445, 0.3064, 0.1816
Android (android.graphics.Color)	4294009855 (0xFFFF163FF)
YUV	159.2420, 47.2087, 71.7018
Hunter-Lab	59.0292, 74.4769, -57.3535

Details

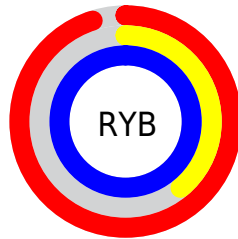
The Yxy color **34.8445, 0.3064, 0.1816** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.9305, 0.3094, 0.5242**, and the grayscale version is **34.5555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5939, 0.3172, 0.2338**, and **14.9887, 0.2993, 0.1506** is the 20% darker color. If you saturate the color by 10%, you get **30.3533, 0.3044, 0.1651**, and if you desaturate by 10%, it is **40.8676, 0.3081, 0.2019**.

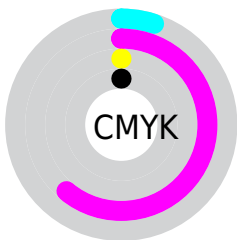
Distribution



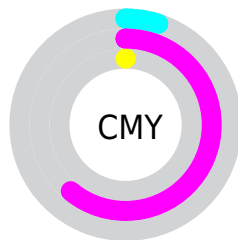
- Red (95%)
- Green (39%)
- Blue (100%)



- Red (95%)
- Yellow (39%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8445, 0.3064, 0.1816 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 34.8445, 0.3064, 0.1816 by changing the saturation by 10% instead.


 34.8445, 0.3064,
0.1816


 34.8445, 0.3064,
0.1816


323.8814, 0.3131,
0.2473


 23.5431, 0.3039,
0.1676


 67.2448, 0.3095,
0.2036


 14.9951, 0.3004,
0.1510


 89.1125, 0.3105,
0.2125

 8.8159, 0.2953,
0.1311


 115.2711, 0.3112,
0.2201

 4.6213, 0.2874,
0.1071

 146.1050, 0.3118,
0.2269

 2.0268, 0.2747,
0.0785

181.9986, 0.3122,
0.2329

 0.6230, 0.2539,
0.0443

223.3363, 0.3126,

 0.0000, 0.2192,

0.2382

0.0000

270.5024, 0.3129,
0.2430

■ 0.0000, 0.1146,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.8445, 0.3064,
0.1816

■ 34.8445, 0.3064,
0.1816

■ 30.3533, 0.3044,
0.1651

■ 40.8676, 0.3081,
0.2019

■ 27.2414, 0.3023,
0.1529


■ 48.5491, 0.3096,
0.2249


■ 25.3309, 0.3000,
0.1452

■ 58.0063, 0.3108,
0.2499

■ 24.3981, 0.2980,
0.1415

■ 69.3446, 0.3116,
0.2756

 82.6614, 0.3123,
0.3012

 98.0473, 0.3127,
0.3261

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



34.8445, 0.1946, 0.1505



34.8445, 0.3064, 0.1816



34.8445, 0.4514, 0.2390

Triad

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



34.8445, 0.3064, 0.1816



34.8445, 0.4929, 0.4832



34.8445, 0.1165, 0.2736

Complementary

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



34.8445, 0.3064, 0.1816



75.9305, 0.3094, 0.5242

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.



34.8445, 0.1697, 0.4358



34.8445, 0.3064, 0.1816



34.8445, 0.3852, 0.5709

Square

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



34.8445, 0.3064, 0.1816



34.8445, 0.5640, 0.3909



34.8445, 0.2692, 0.5763



34.8445, 0.1071, 0.1831

Rectangle

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



34.8445, 0.3064, 0.1816



34.8445, 0.5314, 0.2863



34.8445, 0.2692, 0.5763



34.8445, 0.1287, 0.3207

Sweetspot

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



34.8456, 0.3064, 0.1816



73.3577, 0.3119, 0.2838



22.0421, 0.1970, 0.1483



14.9134, 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.



34.8456, 0.3064, 0.1816



29.6882, 0.3041, 0.1626



34.0153, 0.3861, 0.2376



18.2127, 0.3124, 0.3055



12.7828, 0.2984, 0.1418



1.2679, 0.3011, 0.1433

Inverse Universe

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



31.3749, 0.4909, 0.3164



26.1623, 0.5453, 0.3169



76.7597, 0.2781, 0.4506



18.0135, 0.3280, 0.3269



11.1498, 0.6303, 0.3246



1.0942, 0.6107, 0.3138

Previews

White Background



This preview shows how the Yxy color 34.8445, 0.3064, 0.1816 looks on a white background.

Color Contrast Check

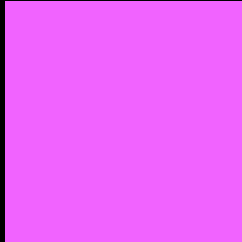
Large Text (above 18pt) WCAG AA × Fail

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 34.8445, 0.3064, 0.1816 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 34.8445, 0.3064, 0.1816

Background



This preview shows how black text looks on a background with the Yxy color 34.8445, 0.3064, 0.1816.



This preview shows how white text looks on a background with the Yxy color 34.8445, 0.3064, 0.1816.

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

34.8445, 0.3064, 0.1816

Protanopia

35.3270, 0.2193, 0.2047

Deuteranopia

35.1708, 0.2227, 0.2162



Tritanopia

34.7565, 0.4103, 0.3187

Trichromacy



Original Color

34.8445, 0.3064, 0.1816



Protanomaly

32.7208, 0.2429, 0.1885



Deuteranomaly

32.4123, 0.2451, 0.1940

Tritanomaly

33.9661, 0.3707, 0.2600

Monochromacy



Original Color

34.8445, 0.3064, 0.1816



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

32.6052, 0.3111, 0.2557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8445, 0.3064, 0.1816 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(241, 99, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 99, 255)  
}
```

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(241, 99, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 99, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.8445, 0.3064, 0.1816 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(241, 99, 255) }
```

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

```
.border{ border-color:rgb(241, 99, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 99, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 99, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 99, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 99,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8445, 0.3064, 0.1816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 99, 255) }
```

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

```
.background{ background-color: rgb(241, 99,  
255) }
```

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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