

Converting Colors

Yxy(33.8468, 0.3148, 0.1760)

Have a look what the booklet for
Yxy(33.8468, 0.3148, 0.1760)
contains.

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Color

Yxy(33.8846, 0.3151, 0.1760)

Conversions

Conversions Part 1

Format	Color
Hex	FA54FF
RGB	250, 84, 255
RGB Percent	98%, 33%, 100%
CMY	0.0194, 0.6709, 0.0000
CMYK	0.02, 0.67, 0.00, 0.00
HSL	298°, 100%, 66%
HSV	298°, 67%, 100%
XYZ	60.6650, 33.8846, 97.9766
YIQ	153.1280, 44.0450, 88.3730

Conversions

Conversions Part 2

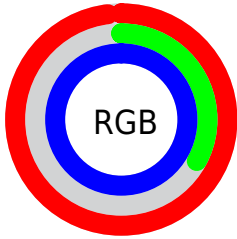
Format	Color
R _Y B	250, 84, 255
Decimal	16405759
CIE Lab	64.87, 81.92, -53.65
CIE LCh	65, 97.923, 326.776
Yxy	33.8846, 0.3151, 0.1760
Android (android.graphics.Color)	4294595839 (0xFFFA54FF)
YUV	153.1280, 50.2229, 84.9567
Hunter-Lab	58.2105, 84.1583, -59.0462

Details

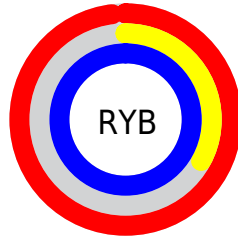
The Yxy color **33.8846, 0.3151, 0.1760** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **74.2757, 0.3043, 0.5451**, and the grayscale version is **31.6639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7308, 0.3177, 0.2230**, and **15.0244, 0.3108, 0.1486** is the 20% darker color. If you saturate the color by 10%, you get **30.4887, 0.3149, 0.1633**, and if you desaturate by 10%, it is **38.7193, 0.3152, 0.1929**.

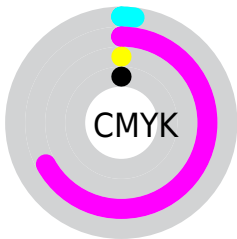
Distribution



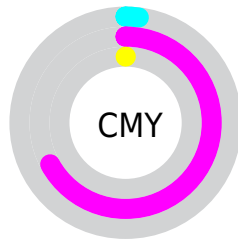
- Red (98%)
- Green (33%)
- Blue (100%)



- Red (98%)
- Yellow (33%)
- Blue (100%)



- Cyan (2%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8846, 0.3151, 0.1760 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 33.8846, 0.3151, 0.1760 by changing the saturation by 10% instead.


 33.8846, 0.3151,
0.1760


 33.8846, 0.3151,
0.1760


319.6172, 0.3179,
0.2437


 22.8050, 0.3135,
0.1617


 65.7542, 0.3169,
0.1986

 14.4496, 0.3110,
0.1448


 87.3129, 0.3173,
0.2077

 8.4340, 0.3071,
0.1247


 113.1334, 0.3176,
0.2156

 4.3739, 0.3007,
0.1006

 143.6002, 0.3178,
0.2226

 1.8848, 0.2899,
0.0723

179.0975, 0.3179,
0.2288

 0.5392, 0.2718,
0.0380

220.0099, 0.3179,

 0.0000, 0.2392,

0.2343

0.0000

266.7216, 0.3179,
0.2393

■ 0.0000, 0.1515,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.8846, 0.3151,
0.1760

■ 33.8846, 0.3151,
0.1760

■ 30.4887, 0.3149,
0.1633

■ 38.7193, 0.3152,
0.1929

■ 28.3681, 0.3144,
0.1551

■ 45.1347, 0.3151,
0.2133

■ 27.3112, 0.3138,
0.1509

■ 53.2539, 0.3148,
0.2363

■ 27.1110, 0.3136,
0.1501

■ 63.1885, 0.3144,
0.2610

75.0404, 0.3138,
0.2864

88.9039, 0.3132,
0.3116

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.



33.8846, 0.1928, 0.1419



33.8846, 0.3151, 0.1760



33.8846, 0.4730, 0.2371

Triad

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



33.8846, 0.3151, 0.1760



33.8846, 0.4919, 0.4938



33.8846, 0.1029, 0.2575

Complementary

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



33.8846, 0.3151, 0.1760



74.2757, 0.3043, 0.5451

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.



33.8846, 0.1527, 0.4312



33.8846, 0.3151, 0.1760



33.8846, 0.3748, 0.5918

Square

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



33.8846, 0.3151, 0.1760



33.8846, 0.5757, 0.3942



33.8846, 0.2534, 0.5956



33.8846, 0.0970, 0.1686

Rectangle

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



33.8846, 0.3151, 0.1760



33.8846, 0.5559, 0.2862



33.8846, 0.2534, 0.5956



33.8846, 0.1137, 0.3062

Sweetspot

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



33.8841, 0.3151, 0.1760



71.3877, 0.3140, 0.2790



16.3502, 0.1834, 0.1184



14.5590, 0.3141, 0.2718



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.



33.8841, 0.3151, 0.1760



29.5180, 0.3147, 0.1596



30.6900, 0.4118, 0.2423



18.2721, 0.3133, 0.3056



14.1781, 0.3137, 0.1502



1.3886, 0.3146, 0.1507

Inverse Universe

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



28.3073, 0.5313, 0.3255



23.6811, 0.5928, 0.3266



76.0728, 0.2720, 0.4490



17.9956, 0.3290, 0.3284



11.1209, 0.6372, 0.3284



1.0857, 0.6302, 0.3245

Previews

White Background



This preview shows how the Yxy color 33.8846, 0.3151, 0.1760 looks on a white background.

Color Contrast Check

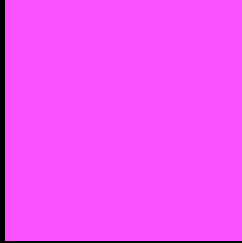
Large Text (above 18pt) WCAG AA × Fail

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 33.8846, 0.3151, 0.1760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

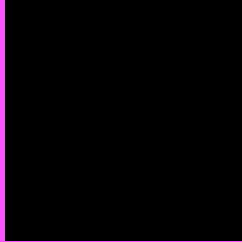
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8846, 0.3151, 0.1760

Background



This preview shows how black text looks on a background with the Yxy color 33.8846, 0.3151, 0.1760.



This preview shows how white text looks on a background with the Yxy color 33.8846, 0.3151, 0.1760.

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

33.8846, 0.3151, 0.1760

Protanopia

34.3757, 0.2167, 0.2014

Deuteranopia

34.1624, 0.2214, 0.2150



Tritanopia

33.6647, 0.4348, 0.3194

Trichromacy



Original Color

33.8846, 0.3151, 0.1760



Protanomaly

30.9198, 0.2426, 0.1811



Deuteranomaly

30.4672, 0.2460, 0.1879



Tritanomaly

32.8124, 0.3887, 0.2567

Monochromacy



Original Color

33.8846, 0.3151, 0.1760



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

29.8474, 0.3144, 0.2485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8846, 0.3151, 0.1760 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(250, 84, 255)` looks like.

```
.text, #text, p{  
    color:rgb(250, 84, 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(250, 84, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 84, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.8846, 0.3151, 0.1760 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(250, 84, 255) }
```

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

```
.border{ border-color:rgb(250, 84, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 84, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 84, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 84, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 84,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8846, 0.3151, 0.1760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 84, 255) }
```

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

```
.background{ background-color: rgb(250, 84,  
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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