

Converting Colors

Yxy(31.9318, 0.3357, 0.1814)

Have a look what the booklet for
Yxy(31.9318, 0.3357, 0.1814)
contains.

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Color

Yxy(31.8723, 0.3361, 0.1815)

Conversions

Conversions Part 1

Format	Color
Hex	FF46EF
RGB	255, 70, 239
RGB Percent	100%, 27%, 94%
CMY	0.0000, 0.7257, 0.0627
CMYK	0.00, 0.73, 0.06, 0.00
HSL	305°, 100%, 64%
HSV	305°, 73%, 100%
XYZ	59.0208, 31.8723, 84.7118
YIQ	144.5810, 56.0110, 91.7790

Conversions

Conversions Part 2

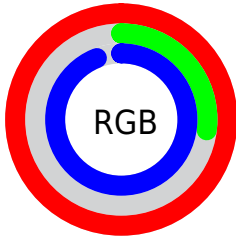
Format	Color
RYB	255, 70, 239
Decimal	16729839
CIELab	63.24, 85.03, -47.33
CIELCh	63, 97.317, 330.899
Yxy	31.8723, 0.3361, 0.1815
Android (android.graphics.Color)	4294919919 (0xFFFF46EF)
YUV	144.5810, 46.5486, 96.8375
Hunter-Lab	56.4556, 87.8136, -49.4460

Details

The Yxy color **31.8723, 0.3361, 0.1815** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light washed magenta. A complement of this color would be **73.4913, 0.2975, 0.5471**, and the grayscale version is **27.9163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5302, 0.3181, 0.2136**, and **14.8467, 0.3371, 0.1631** is the 20% darker color. If you saturate the color by 10%, you get **29.1986, 0.3393, 0.1726**, and if you desaturate by 10%, it is **35.8900, 0.3326, 0.1948**.

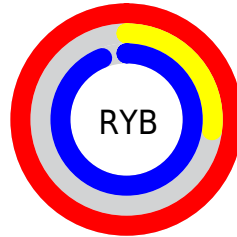
Distribution



Red (100%)

Green (27%)

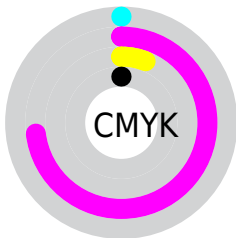
Blue (94%)



Red (100%)

Yellow (27%)

Blue (94%)

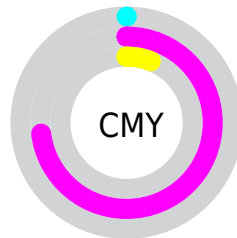


Cyan (0%)

Magenta (73%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (73%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8723, 0.3361, 0.1815 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 31.8723, 0.3361, 0.1815 by changing the saturation by 10% instead.


 31.8723, 0.3361,
0.1815


 31.8723, 0.3361,
0.1815


310.5371, 0.3281,
0.2480

 21.2640, 0.3371,
0.1672


 62.6108, 0.3340,
0.2040


 13.3171, 0.3379,
0.1501

 83.5099, 0.3330,
0.2129

 7.6473, 0.3381,
0.1294


 108.6079, 0.3320,
0.2207

 3.8701, 0.3370,
0.1045

 138.2893, 0.3311,
0.2275

 1.6012, 0.3331,
0.0746

172.9386, 0.3303,
0.2335

 0.3584, 0.3257,
0.0324

212.9400, 0.3295,

 0.0000, 0.3005,

0.2389

0.0000

258.6781, 0.3288,
0.2437

■ 0.0000, 0.1904,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.8723, 0.3361,
0.1815

■ 31.8723, 0.3361,
0.1815

■ 29.1986, 0.3393,
0.1726

■ 35.8900, 0.3326,
0.1948


■ 27.6996, 0.3423,
0.1681

■ 41.4196, 0.3290,
0.2119

■ 27.1414, 0.3444,
0.1671

■ 48.5882, 0.3255,
0.2320

■ 57.5135, 0.3221,
0.2541

 68.3023, 0.3189,
0.2772

 81.0530, 0.3160,
0.3005

 95.8571, 0.3133,
0.3233

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.



31.8723, 0.2049, 0.1431



31.8723, 0.3361, 0.1815



31.8723, 0.4955, 0.2458

Triad

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



31.8723, 0.3361, 0.1815



31.8723, 0.4776, 0.5093



31.8723, 0.0980, 0.2390

Complementary

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



31.8723, 0.3361, 0.1815



73.4913, 0.2975, 0.5471

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.



31.8723, 0.1405, 0.4043



31.8723, 0.3361, 0.1815



31.8723, 0.3572, 0.6041

Square

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



31.8723, 0.3361, 0.1815



31.8723, 0.5699, 0.4063



31.8723, 0.2359, 0.5860



31.8723, 0.0971, 0.1598

Rectangle

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



31.8723, 0.3361, 0.1815



31.8723, 0.5706, 0.2957



31.8723, 0.2359, 0.5860



31.8723, 0.1066, 0.2838

Sweetspot

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



31.8671, 0.3361, 0.1815



68.9726, 0.3187, 0.2785



13.5432, 0.1799, 0.1014



14.0897, 0.3196, 0.2722



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.



31.8671, 0.3361, 0.1815



28.4025, 0.3407, 0.1701



27.7427, 0.4557, 0.2596



18.2717, 0.3151, 0.3076



14.1932, 0.3440, 0.1668



1.3896, 0.3410, 0.1652

Inverse Universe

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



31.8671, 0.3361, 0.1815



28.4025, 0.3407, 0.1701



76.0305, 0.2622, 0.4304



18.2717, 0.3151, 0.3076



14.1932, 0.3440, 0.1668



1.3896, 0.3410, 0.1652

Previews

White Background



This preview shows how the Yxy color 31.8723, 0.3361, 0.1815 looks on a white background.

Color Contrast Check

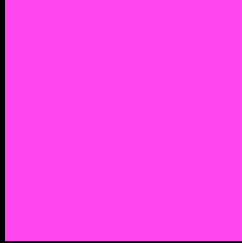
Large Text (above 18pt) WCAG AA × Fail

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 31.8723, 0.3361, 0.1815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

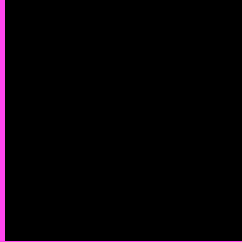
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8723, 0.3361, 0.1815

Background



This preview shows how black text looks on a background with the Yxy color 31.8723, 0.3361, 0.1815.



This preview shows how white text looks on a background with the Yxy color 31.8723, 0.3361, 0.1815.

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

31.8723, 0.3361, 0.1815

Protanopia

32.2208, 0.2113, 0.1937

Deuteranopia

32.0675, 0.2320, 0.2256



Tritanopia

31.5780, 0.4640, 0.3211

Trichromacy



Original Color

31.8723, 0.3361, 0.1815



Protanomaly

28.0914, 0.2419, 0.1759



Deuteranomaly

28.2346, 0.2614, 0.1944



Tritanomaly

30.7842, 0.4168, 0.2610

Monochromacy



Original Color

31.8723, 0.3361, 0.1815



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

26.5258, 0.3233, 0.2477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8723, 0.3361, 0.1815 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(255, 70, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 70, 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(255, 70, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 70, 239) }
```

Border

The CSS property to change the border of an element to Yxy 31.8723, 0.3361, 0.1815 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(255, 70, 239) }
```

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

```
.border{ border-color:rgb(255, 70, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 70, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 70, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 70, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 70,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8723, 0.3361, 0.1815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 70, 239) }
```

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

```
.background{ background-color: rgb(255, 70,  
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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