

Converting Colors

Yxy(31.8560, 0.3339, 0.1795)

Have a look what the booklet for
Yxy(31.8560, 0.3339, 0.1795)
contains.

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Color

Yxy(31.8671, 0.3340, 0.1797)

Conversions

Conversions Part 1

Format	Color
Hex	FF45F1
RGB	255, 69, 241
RGB Percent	100%, 27%, 95%
CMY	0.0002, 0.7290, 0.0550
CMYK	0.00, 0.73, 0.05, 0.00
HSL	305°, 100%, 64%
HSV	305°, 73%, 100%
XYZ	59.2299, 31.8671, 86.2380
YIQ	144.2220, 55.6440, 92.9240

Conversions

Conversions Part 2

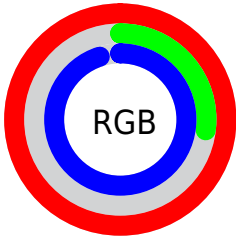
Format	Color
R _Y B	255, 69, 241
Decimal	16729585
CIE Lab	63.23, 85.55, -48.44
CIE LCh	63, 98.313, 330.484
Yxy	31.8671, 0.3340, 0.1797
Android (android.graphics.Color)	4294919665 (0xFFFF45F1)
YUV	144.2220, 47.7116, 97.1523
Hunter-Lab	56.4510, 88.4979, -51.0595

Details

The Yxy color **31.8671, 0.3340, 0.1797** 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 **73.3826, 0.2981, 0.5500**, and the grayscale version is **27.7876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5302, 0.3181, 0.2136**, and **14.9300, 0.3343, 0.1615** is the 20% darker color. If you saturate the color by 10%, you get **29.2585, 0.3369, 0.1708**, and if you desaturate by 10%, it is **35.8265, 0.3309, 0.1930**.

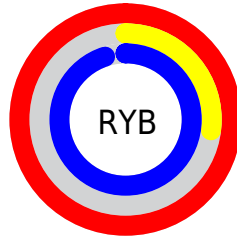
Distribution



Red (100%)

Green (27%)

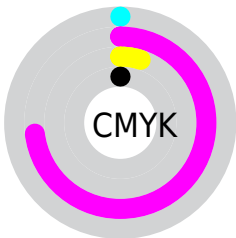
Blue (95%)



Red (100%)

Yellow (27%)

Blue (95%)

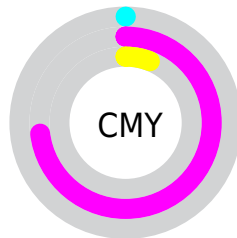


Cyan (0%)

Magenta (73%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (73%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8671, 0.3340, 0.1797 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 31.8671, 0.3340, 0.1797 by changing the saturation by 10% instead.


 31.8671, 0.3340,
0.1797

 31.8671, 0.3340,
0.1797

310.5134, 0.3272,
0.2468


 21.2600, 0.3347,
0.1653


 62.6027, 0.3323,
0.2023


 13.3142, 0.3351,
0.1481


 83.5000, 0.3315,
0.2113

 7.6453, 0.3347,
0.1275


 108.5961, 0.3306,
0.2192

 3.8688, 0.3330,
0.1026

 138.2755, 0.3299,
0.2261

 1.6004, 0.3281,
0.0729

172.9225, 0.3291,
0.2322

 0.3579, 0.3192,
0.0314

212.9216, 0.3284,

 0.0000, 0.2922,

0.2376

0.0000

258.6571, 0.3278,
0.2424

■ 0.0000, 0.1855,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.8671, 0.3340,
0.1797

■ 31.8671, 0.3340,
0.1797

■ 29.2585, 0.3369,
0.1708

■ 35.8265, 0.3309,
0.1930

■ 27.8102, 0.3395,
0.1664

■ 41.2854, 0.3277,
0.2101

■ 27.2949, 0.3411,
0.1653

■ 48.3779, 0.3246,
0.2303

■ 57.2223, 0.3215,
0.2525

67.9255, 0.3185,
0.2758

80.5863, 0.3158,
0.2994

95.2961, 0.3134,
0.3225

99.9906, 0.3127,
0.3290

Harmonies

Analogous

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



31.8671, 0.2026, 0.1416



31.8671, 0.3340, 0.1797



31.8671, 0.4953, 0.2439

Triad

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



31.8671, 0.3340, 0.1797



31.8671, 0.4797, 0.5084



31.8671, 0.0968, 0.2396

Complementary

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



31.8671, 0.3340, 0.1797



73.3826, 0.2981, 0.5500

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.



31.8671, 0.1400, 0.4078



31.8671, 0.3340, 0.1797



31.8671, 0.3584, 0.6055

Square

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



31.8671, 0.3340, 0.1797



31.8671, 0.5724, 0.4046



31.8671, 0.2364, 0.5907



31.8671, 0.0956, 0.1591

Rectangle

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



31.8671, 0.3340, 0.1797



31.8671, 0.5719, 0.2940



31.8671, 0.2364, 0.5907



31.8671, 0.1056, 0.2852

Sweetspot

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



31.8686, 0.3340, 0.1797



69.0123, 0.3183, 0.2780



13.2555, 0.1779, 0.0999



14.0992, 0.3190, 0.2716



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.



31.8686, 0.3340, 0.1797



28.5487, 0.3380, 0.1685



27.7087, 0.4521, 0.2565



18.2754, 0.3150, 0.3073



14.2784, 0.3408, 0.1651



1.3970, 0.3383, 0.1637

Inverse Universe

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



31.8686, 0.3340, 0.1797



28.5487, 0.3380, 0.1685



75.8293, 0.2634, 0.4353



18.2754, 0.3150, 0.3073



14.2784, 0.3408, 0.1651



1.3970, 0.3383, 0.1637

Previews

White Background



This preview shows how the Yxy color 31.8671, 0.3340, 0.1797 looks on a white background.

Color Contrast Check

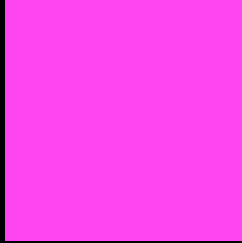
Large Text (above 18pt) WCAG AA × Fail

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 31.8671, 0.3340, 0.1797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

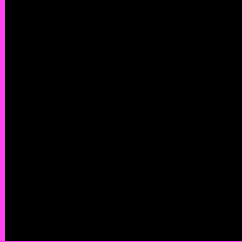
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8671, 0.3340, 0.1797

Background



This preview shows how black text looks on a background with the Yxy color 31.8671, 0.3340, 0.1797.



This preview shows how white text looks on a background with the Yxy color 31.8671, 0.3340, 0.1797.

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

31.8671, 0.3340, 0.1797

Protanopia

32.2208, 0.2113, 0.1937

Deuteranopia

32.0356, 0.2297, 0.2231



Tritanopia

31.5780, 0.4640, 0.3211

Trichromacy



Original Color

31.8671, 0.3340, 0.1797



Protanomaly

28.1539, 0.2413, 0.1751



Deuteranomaly

28.1271, 0.2582, 0.1920



Tritanomaly

30.7842, 0.4168, 0.2610

Monochromacy



Original Color

31.8671, 0.3340, 0.1797



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

26.1676, 0.3223, 0.2461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8671, 0.3340, 0.1797 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, 69, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 69, 241)  
}
```

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, 69, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 69, 241) }
```

Border

The CSS property to change the border of an element to Yxy 31.8671, 0.3340, 0.1797 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, 69, 241) }
```

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

```
.border{ border-color:rgb(255, 69, 241) }
```

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

Here you see how a box with a 4 pixel rgb(255, 69, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 69, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 69, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 69,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8671, 0.3340, 0.1797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 69, 241) }
```

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

```
.background{ background-color: rgb(255, 69,  
241) }
```

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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