

Converting Colors

$Y_{xy}(31.6684, 0.3320, 0.1770)$

Have a look what the booklet for
Yxy(31.6684, 0.3320, 0.1770)
contains.

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Color

Yxy(31.6275, 0.3321, 0.1769)

Conversions

Conversions Part 1

Format	Color
Hex	FF42F3
RGB	255, 66, 243
RGB Percent	100%, 26%, 95%
CMY	0.0000, 0.7413, 0.0470
CMYK	0.00, 0.74, 0.05, 0.00
HSL	304°, 100%, 63%
HSV	304°, 74%, 100%
XYZ	59.3753, 31.6275, 87.7846
YIQ	142.6890, 55.8270, 95.1150

Conversions

Conversions Part 2

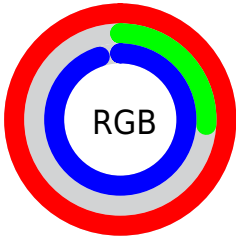
Format	Color
R _Y B	255, 66, 243
Decimal	16728819
CIE Lab	63.03, 86.76, -49.88
CIE LCh	63, 100.077, 330.105
Yxy	31.6275, 0.3321, 0.1769
Android (android.graphics.Color)	4294918899 (0xFFFF42F3)
YUV	142.6890, 49.4533, 98.4967
Hunter-Lab	56.2383, 90.0397, -53.1813

Details

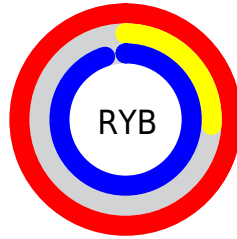
The Yxy color **31.6275, 0.3321, 0.1769** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **73.2260, 0.2986, 0.5553**, and the grayscale version is **27.1112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9825, 0.3182, 0.2119**, and **15.0145, 0.3315, 0.1600** is the 20% darker color. If you saturate the color by 10%, you get **29.1837, 0.3345, 0.1684**, and if you desaturate by 10%, it is **35.3911, 0.3294, 0.1897**.

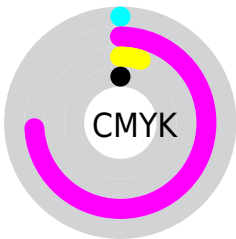
Distribution



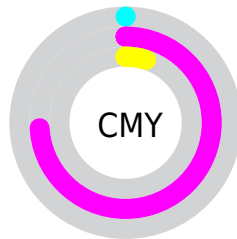
- Red (100%)
- Green (26%)
- Blue (95%)



- Red (100%)
- Yellow (26%)
- Blue (95%)



- Cyan (0%)
- Magenta (74%)
- Yellow (5%)
- Black (0%)




- Cyan (0%)
- Magenta (74%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6275, 0.3321, 0.1769 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 31.6275, 0.3321, 0.1769 by changing the saturation by 10% instead.


 31.6275, 0.3321,
0.1769


 31.6275, 0.3321,
0.1769


309.4189, 0.3264,
0.2450


 21.0771, 0.3325,
0.1624


 62.2267, 0.3308,
0.1998

 13.1804, 0.3324,
0.1451


 83.0443, 0.3301,
0.2089

 7.5529, 0.3316,
0.1243


 108.0531, 0.3294,
0.2169

 3.8102, 0.3291,
0.0994

 137.6375, 0.3288,
0.2239

 1.5680, 0.3232,
0.0700

172.1818, 0.3281,
0.2301

 0.3359, 0.3129,
0.0287

212.0706, 0.3275,

 0.0000, 0.2835,

0.2356

0.0000

257.6882, 0.3269,
0.2406

■ 0.0000, 0.1791,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.6275, 0.3321,
0.1769

■ 31.6275, 0.3321,
0.1769

■ 29.1837, 0.3345,
0.1684

■ 35.3911, 0.3294,
0.1897

■ 27.8791, 0.3367,
0.1644

■ 40.6421, 0.3266,
0.2066


■ 27.4825, 0.3378,
0.1635

■ 47.5117, 0.3238,
0.2266

■ 56.1196, 0.3210,
0.2488

 66.5741, 0.3183,
0.2723

 78.9749, 0.3159,
0.2961

 93.4145, 0.3136,
0.3196

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.



31.6275, 0.1995, 0.1389



31.6275, 0.3321, 0.1769



31.6275, 0.4968, 0.2414

Triad

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



31.6275, 0.3321, 0.1769



31.6275, 0.4822, 0.5081



31.6275, 0.0943, 0.2390

Complementary

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



31.6275, 0.3321, 0.1769



73.2260, 0.2986, 0.5553

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.



31.6275, 0.1379, 0.4119



31.6275, 0.3321, 0.1769



31.6275, 0.3588, 0.6090

Square

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



31.6275, 0.3321, 0.1769



31.6275, 0.5765, 0.4025



31.6275, 0.2355, 0.5985



31.6275, 0.0929, 0.1571

Rectangle

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



31.6275, 0.3321, 0.1769



31.6275, 0.5757, 0.2916



31.6275, 0.2355, 0.5985



31.6275, 0.1031, 0.2857

Sweetspot

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



31.6238, 0.3321, 0.1769



69.0540, 0.3178, 0.2774



12.6240, 0.1745, 0.0961



14.1092, 0.3185, 0.2709



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.



31.6238, 0.3321, 0.1769



28.4209, 0.3356, 0.1659



27.3868, 0.4509, 0.2532



18.2793, 0.3148, 0.3070



14.3687, 0.3375, 0.1633



1.4048, 0.3354, 0.1621

Inverse Universe

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



31.6238, 0.3321, 0.1769



28.4209, 0.3356, 0.1659



75.5765, 0.2646, 0.4419



18.2793, 0.3148, 0.3070



14.3687, 0.3375, 0.1633



1.4048, 0.3354, 0.1621

Previews

White Background



This preview shows how the Yxy color 31.6275, 0.3321, 0.1769 looks on a white background.

Color Contrast Check

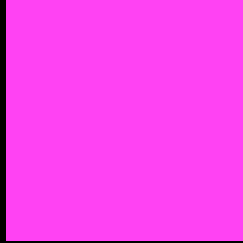
Large Text (above 18pt) WCAG AA × Fail

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 31.6275, 0.3321, 0.1769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

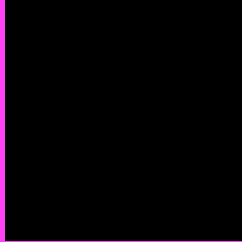
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6275, 0.3321, 0.1769

Background



This preview shows how black text looks on a background with the Yxy color 31.6275, 0.3321, 0.1769.



This preview shows how white text looks on a background with the Yxy color 31.6275, 0.3321, 0.1769.

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

31.6275, 0.3321, 0.1769

Protanopia

31.8407, 0.2105, 0.1923

Deuteranopia

31.8826, 0.2274, 0.2216



Tritanopia

31.3371, 0.4659, 0.3211

Trichromacy



Original Color

31.6275, 0.3321, 0.1769



Protanomaly

27.7358, 0.2404, 0.1722



Deuteranomaly

27.8884, 0.2558, 0.1889



Tritanomaly

30.4239, 0.4174, 0.2593

Monochromacy



Original Color

31.6275, 0.3321, 0.1769



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

25.7065, 0.3224, 0.2435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6275, 0.3321, 0.1769 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, 66, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 66, 243)  
}
```

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, 66, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 66, 243) }
```

Border

The CSS property to change the border of an element to Yxy 31.6275, 0.3321, 0.1769 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, 66, 243) }
```

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

```
.border{ border-color:rgb(255, 66, 243) }
```

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

Here you see how a box with a 4 pixel rgb(255, 66, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 66, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 66, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 66,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6275, 0.3321, 0.1769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 66, 243) }
```

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

```
.background{ background-color: rgb(255, 66,  
243) }
```

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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