

Converting Colors

$Y_{xy}(31.6575, 0.3135, 0.1681)$

Have a look what the booklet for
Yxy(31.6575, 0.3135, 0.1681)
contains.

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Color

Yxy(31.6829, 0.3134, 0.1682)

Conversions

Conversions Part 1

Format	Color
Hex	F847FF
RGB	248, 71, 255
RGB Percent	97%, 28%, 100%
CMY	0.0272, 0.7219, 0.0000
CMYK	0.03, 0.72, 0.00, 0.00
HSL	298°, 100%, 64%
HSV	298°, 72%, 100%
XYZ	59.0334, 31.6829, 97.6481
YIQ	144.8990, 46.4280, 94.7480

Conversions

Conversions Part 2

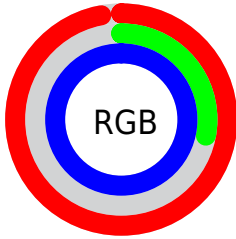
Format	Color
R _{YB}	248, 71, 255
Decimal	16271359
CIE Lab	63.08, 85.74, -56.53
CIE LCh	63, 102.696, 326.605
Yxy	31.6829, 0.3134, 0.1682
Android (android.graphics.Color)	4294461439 (0xFFFF847FF)
YUV	144.8990, 54.2798, 90.4196
Hunter-Lab	56.2876, 88.7045, -63.4555

Details

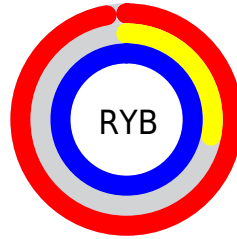
The Yxy color **31.6829, 0.3134, 0.1682** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **73.5877, 0.3040, 0.5589**, and the grayscale version is **28.0187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8079, 0.3181, 0.2144**, and **14.5960, 0.3082, 0.1471** is the 20% darker color. If you saturate the color by 10%, you get **28.9190, 0.3128, 0.1576**, and if you desaturate by 10%, it is **35.8039, 0.3139, 0.1832**.

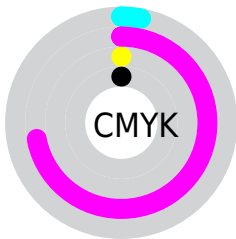
Distribution



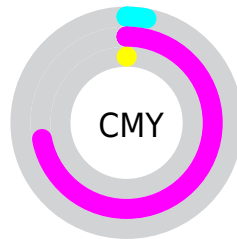
- Red (97%)
- Green (28%)
- Blue (100%)



- Red (97%)
- Yellow (28%)
- Blue (100%)



- Cyan (3%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6829, 0.3134, 0.1682 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 31.6829, 0.3134, 0.1682 by changing the saturation by 10% instead.


 31.6829, 0.3134,
0.1682


 31.6829, 0.3134,
0.1682


309.6722, 0.3175,
0.2392

 21.1194, 0.3114,
0.1533


 62.3136, 0.3157,
0.1919


 13.2113, 0.3083,
0.1358


 83.1497, 0.3163,
0.2014

 7.5742, 0.3035,
0.1151


 108.1787, 0.3168,
0.2097

 3.8237, 0.2959,
0.0906

 137.7851, 0.3171,
0.2170

 1.5755, 0.2833,
0.0624

172.3532, 0.3173,
0.2235

 0.3410, 0.2635,
0.0249

212.2676, 0.3174,

 0.0000, 0.2244,

0.2293

0.0000

257.9124, 0.3174,
0.2345

■ 0.0000, 0.1217,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.6829, 0.3134,
0.1682

■ 31.6829, 0.3134,
0.1682

■ 28.9190, 0.3128,
0.1576

■ 35.8039, 0.3139,
0.1832

■ 27.3331, 0.3120,
0.1513

■ 41.4377, 0.3141,
0.2021

■ 26.7001, 0.3113,
0.1489

■ 48.7144, 0.3142,
0.2240

■ 57.7513, 0.3140,
0.2481

 68.6548, 0.3137,
0.2734

 81.5232, 0.3133,
0.2988

 96.4476, 0.3128,
0.3237

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.



31.6829, 0.1855, 0.1335



31.6829, 0.3134, 0.1682



31.6829, 0.4828, 0.2308

Triad

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



31.6829, 0.3134, 0.1682



31.6829, 0.4971, 0.4960



31.6829, 0.0933, 0.2516

Complementary

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



31.6829, 0.3134, 0.1682



73.5877, 0.3040, 0.5589

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.



31.6829, 0.1429, 0.4397



31.6829, 0.3134, 0.1682



31.6829, 0.3722, 0.6049

Square

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



31.6829, 0.3134, 0.1682



31.6829, 0.5879, 0.3904



31.6829, 0.2465, 0.6184



31.6829, 0.0882, 0.1598

Rectangle

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



31.6829, 0.3134, 0.1682



31.6829, 0.5713, 0.2809



31.6829, 0.2465, 0.6184



31.6829, 0.1038, 0.3034

Sweetspot

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



31.6815, 0.3134, 0.1682



68.8815, 0.3137, 0.2738



14.3110, 0.1756, 0.1068



14.0677, 0.3138, 0.2669



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.



31.6815, 0.3134, 0.1682



28.0224, 0.3124, 0.1541



28.7403, 0.4188, 0.2362



18.2634, 0.3132, 0.3055



13.9669, 0.3115, 0.1490



1.3704, 0.3126, 0.1496

Inverse Universe

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



26.3036, 0.5534, 0.3245



22.5198, 0.6117, 0.3264



75.1812, 0.2726, 0.4641



17.9982, 0.3289, 0.3281



11.1246, 0.6363, 0.3279



1.0869, 0.6273, 0.3229

Previews

White Background



This preview shows how the Yxy color 31.6829, 0.3134, 0.1682 looks on a white background.

Color Contrast Check

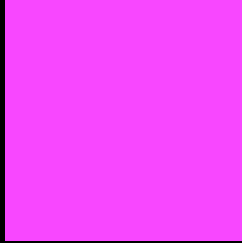
Large Text (above 18pt) WCAG AA × Fail

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 31.6829, 0.3134, 0.1682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

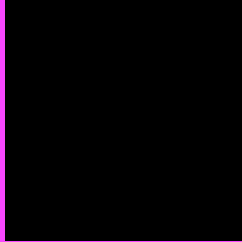
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6829, 0.3134, 0.1682

Background



This preview shows how black text looks on a background with the Yxy color 31.6829, 0.3134, 0.1682.



This preview shows how white text looks on a background with the Yxy color 31.6829, 0.3134, 0.1682.

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

31.6829, 0.3134, 0.1682

Protanopia

32.1585, 0.2108, 0.1936

Deuteranopia

32.0181, 0.2145, 0.2088



Tritanopia

31.2951, 0.4444, 0.3194

Trichromacy



Original Color

31.6829, 0.3134, 0.1682



Protanomaly

28.1638, 0.2361, 0.1705



Deuteranomaly

27.8499, 0.2387, 0.1778

Tritanomaly

30.2700, 0.3941, 0.2524

Monochromacy



Original Color

31.6829, 0.3134, 0.1682



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

26.4047, 0.3136, 0.2398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6829, 0.3134, 0.1682 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(248, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 71, 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(248, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 71, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.6829, 0.3134, 0.1682 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(248, 71, 255) }
```

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

```
.border{ border-color:rgb(248, 71, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 71, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 71, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 71, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 71,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6829, 0.3134, 0.1682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 71, 255) }
```

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

```
.background{ background-color: rgb(248, 71,  
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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