

Converting Colors

Yxy(31.4336, 0.2894, 0.1727)

Have a look what the booklet for
Yxy(31.4336, 0.2894, 0.1727)
contains.

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Color

Yxy(31.4574, 0.2897, 0.1727)

Conversions

Conversions Part 1

Format	Color
Hex	DF61FF
RGB	223, 97, 255
RGB Percent	87%, 38%, 100%
CMY	0.1253, 0.6198, 0.0000
CMYK	0.13, 0.62, 0.00, 0.00
HSL	288°, 100%, 69%
HSV	288°, 62%, 100%
XYZ	52.7690, 31.4574, 97.9241
YIQ	152.6860, 24.3780, 75.8500

Conversions

Conversions Part 2

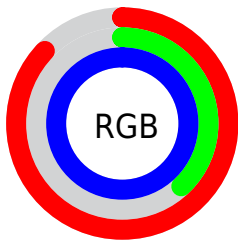
Format	Color
R _Y B	223, 97, 255
Decimal	14639615
CIE Lab	62.89, 70.89, -57.03
CIE LCh	63, 90.986, 321.185
Yxy	31.4574, 0.2897, 0.1727
Android (android.graphics.Color)	4292829695 (0xFFDF61FF)
YUV	152.6860, 50.4408, 61.6654
Hunter-Lab	56.0869, 69.7886, -64.2557

Details

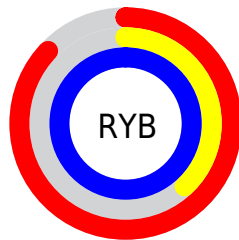
The Yxy color **31.4574, 0.2897, 0.1727** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **77.0432, 0.3179, 0.5216**, and the grayscale version is **31.4758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5912, 0.3173, 0.2311**, and **13.0678, 0.2791, 0.1405** is the 20% darker color. If you saturate the color by 10%, you get **26.6730, 0.2844, 0.1541**, and if you desaturate by 10%, it is **37.7789, 0.2948, 0.1949**.

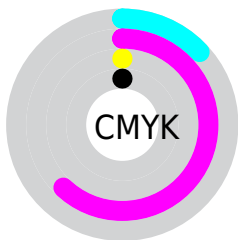
Distribution



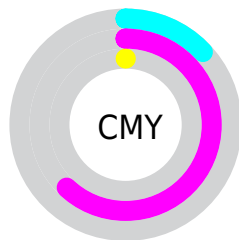
- Red (87%)
- Green (38%)
- Blue (100%)



- Red (87%)
- Yellow (38%)
- Blue (100%)



- Cyan (13%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.4574, 0.2897, 0.1727 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 31.4574, 0.2897, 0.1727 by changing the saturation by 10% instead.


 31.4574, 0.2897,
0.1727


 31.4574, 0.2897,
0.1727


308.6401, 0.3050,
0.2428

 20.9474, 0.2851,
0.1578


 61.9595, 0.2959,
0.1962


 13.0856, 0.2788,
0.1401


 82.7204, 0.2981,
0.2057

 7.4875, 0.2701,
0.1191


 107.6670, 0.2998,
0.2139

 3.7688, 0.2574,
0.0940

 137.1837, 0.3013,
0.2211

 1.5451, 0.2382,
0.0649

171.6550, 0.3024,
0.2275

 0.3201, 0.2100,
0.0250

211.4652, 0.3034,


 0.0000, 0.1611,


0.2331


0.0000


256.9988, 0.3043,
0.2382


 0.0000, 0.0000,
0.0000

 31.4574, 0.2897,
0.1727


 31.4574, 0.2897,
0.1727


 26.6730, 0.2844,
0.1541


 37.7789, 0.2948,
0.1949


 23.2765, 0.2789,
0.1400


 45.7709, 0.2994,
0.2198

 21.0846, 0.2735,
0.1304

 55.5500, 0.3035,
0.2460

 19.9775, 0.2692,
0.1257

 67.2226, 0.3070,
0.2727

 80.8869, 0.3099,
0.2990

96.6342, 0.3123,
0.3242

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.



31.4574, 0.1813, 0.1446



31.4574, 0.2897, 0.1727



31.4574, 0.4386, 0.2283

Triad

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



31.4574, 0.2897, 0.1727



31.4574, 0.5071, 0.4729



31.4574, 0.1152, 0.2868

Complementary

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



31.4574, 0.2897, 0.1727



77.0432, 0.3179, 0.5216

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.



31.4574, 0.1747, 0.4618



31.4574, 0.2897, 0.1727



31.4574, 0.3984, 0.5686

Square

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



31.4574, 0.2897, 0.1727



31.4574, 0.5748, 0.3798



31.4574, 0.2798, 0.5936



31.4574, 0.1018, 0.1858

Rectangle

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



31.4574, 0.2897, 0.1727



31.4574, 0.5269, 0.2755



31.4574, 0.2798, 0.5936



31.4574, 0.1292, 0.3388

Sweetspot

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



31.4567, 0.2897, 0.1727



71.0768, 0.3079, 0.2806



26.0463, 0.2006, 0.1679



14.4198, 0.3070, 0.2730



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.



31.4567, 0.2897, 0.1727



25.8790, 0.2833, 0.1509



34.4664, 0.3656, 0.2204



18.1040, 0.3105, 0.3053



10.5037, 0.2701, 0.1261



1.0675, 0.2762, 0.1295

Inverse Universe

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



31.3850, 0.4709, 0.2988



26.2004, 0.5209, 0.2984



76.0044, 0.2859, 0.4771



18.0471, 0.3262, 0.3242



11.2531, 0.6074, 0.3120



1.1104, 0.5775, 0.2955

Previews

White Background



This preview shows how the Yxy color 31.4574, 0.2897, 0.1727 looks on a white background.

Color Contrast Check

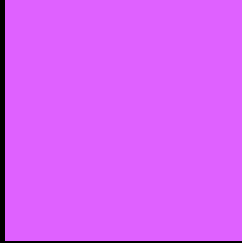
Large Text (above 18pt) WCAG AA × Fail

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 31.4574, 0.2897, 0.1727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

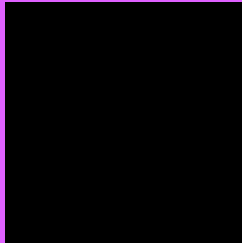
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4574, 0.2897, 0.1727

Background



This preview shows how black text looks on a background with the Yxy color 31.4574, 0.2897, 0.1727.



This preview shows how white text looks on a background with the Yxy color 31.4574, 0.2897, 0.1727.

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

31.4574, 0.2897, 0.1727

Protanopia

31.7791, 0.2100, 0.1921

Deuteranopia

31.9717, 0.2114, 0.2053



Tritanopia

31.1241, 0.3909, 0.3164

Trichromacy



Original Color

31.4574, 0.2897, 0.1727



Protanomaly

29.5748, 0.2311, 0.1778



Deuteranomaly

29.4543, 0.2306, 0.1845



Tritanomaly

30.4804, 0.3508, 0.2524

Monochromacy



Original Color

31.4574, 0.2897, 0.1727



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

29.9577, 0.3039, 0.2526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4574, 0.2897, 0.1727 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(223, 97, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 97, 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(223, 97, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 97, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.4574, 0.2897, 0.1727 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(223, 97, 255) }
```

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

```
.border{ border-color:rgb(223, 97, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 97, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 97, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 97, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 97,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4574, 0.2897, 0.1727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 97, 255) }
```

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

```
.background{ background-color: rgb(223, 97,  
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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