

Converting Colors

Yxy(31.4805, 0.2843, 0.1751)

Have a look what the booklet for
Yxy(31.4805, 0.2843, 0.1751)
contains.

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Color

Yxy(31.4552, 0.2842, 0.1751)

Conversions

Conversions Part 1

Format	Color
Hex	D867FE
RGB	216, 103, 254
RGB Percent	85%, 40%, 100%
CMY	0.1530, 0.5960, 0.0040
CMYK	0.15, 0.59, 0.00, 0.00
HSL	285°, 99%, 70%
HSV	285°, 59%, 100%
XYZ	51.0541, 31.4552, 97.1321
YIQ	154.0010, 18.8770, 70.9170

Conversions

Conversions Part 2

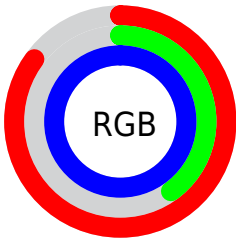
Format	Color
R _Y B	216, 103, 254
Decimal	14182398
CIE Lab	62.89, 66.40, -56.51
CIE LCh	63, 87.193, 319.600
Yxy	31.4552, 0.2842, 0.1751
Android (android.graphics.Color)	4292372478 (0xFFD867FE)
YUV	154.0010, 49.2995, 54.3731
Hunter-Lab	56.0849, 64.3398, -63.4234

Details

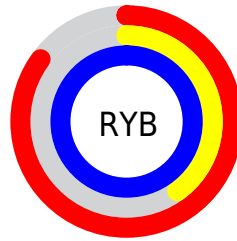
The Yxy color **31.4552, 0.2842, 0.1751** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **77.5162, 0.3223, 0.5113**, and the grayscale version is **32.0916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2763, 0.3171, 0.2357**, and **13.1771, 0.2720, 0.1427** is the 20% darker color. If you saturate the color by 10%, you get **26.1926, 0.2775, 0.1545**, and if you desaturate by 10%, it is **38.2921, 0.2906, 0.1990**.

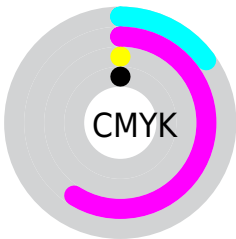
Distribution



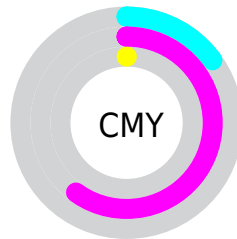
- Red (85%)
- Green (40%)
- Blue (100%)



- Red (85%)
- Yellow (40%)
- Blue (100%)



- Cyan (15%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4552, 0.2842, 0.1751 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 31.4552, 0.2842, 0.1751 by changing the saturation by 10% instead.

 31.4552, 0.2842,
0.1751


 31.4552, 0.2842,
0.1751


308.6300, 0.3020,
0.2446

 20.9457, 0.2790,
0.1602


 61.9560, 0.2913,
0.1985


 13.0843, 0.2721,
0.1426

 82.7162, 0.2938,
0.2078

 7.4866, 0.2625,
0.1214


 107.6620, 0.2958,
0.2160

 3.7683, 0.2487,
0.0961

 137.1779, 0.2975,
0.2231

 1.5448, 0.2282,
0.0666

171.6482, 0.2989,
0.2294

 0.3199, 0.1981,
0.0258

211.4574, 0.3001,


 0.0000, 0.1475,


0.2350


0.0000


256.9899, 0.3012,
0.2400


 0.0000, 0.0000,
0.0000


 31.4552, 0.2842,
0.1751


 31.4552, 0.2842,
0.1751


 26.1926, 0.2775,
0.1545


 38.2921, 0.2906,
0.1990


 22.3563, 0.2706,
0.1381


 46.8259, 0.2964,
0.2251


 19.7761, 0.2637,
0.1264

 57.1710, 0.3015,
0.2522

 18.1876, 0.2571,
0.1192

 69.4309, 0.3060,
0.2792

 18.1105, 0.2568,
0.1188

 83.7011, 0.3098,
0.3055

99.8101, 0.3129,
0.3300

99.9347, 0.3133,
0.3300

Harmonies

Analogous

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



31.4552, 0.1814, 0.1490



31.4552, 0.2842, 0.1751



31.4552, 0.4262, 0.2284

Triad

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



31.4552, 0.2842, 0.1751



31.4552, 0.5079, 0.4665



31.4552, 0.1231, 0.2969

Complementary

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



31.4552, 0.2842, 0.1751



77.5162, 0.3223, 0.5113

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.



31.4552, 0.1848, 0.4650



31.4552, 0.2842, 0.1751



31.4552, 0.4047, 0.5576

Square

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



31.4552, 0.2842, 0.1751



31.4552, 0.5681, 0.3769



31.4552, 0.2892, 0.5838



31.4552, 0.1072, 0.1946

Rectangle

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



31.4552, 0.2842, 0.1751



31.4552, 0.5128, 0.2744



31.4552, 0.2892, 0.5838



31.4552, 0.1380, 0.3481

Sweetspot

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



31.4565, 0.2842, 0.1751



72.0047, 0.3066, 0.2830



29.7671, 0.2073, 0.1851



14.5792, 0.3054, 0.2753



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.



31.4565, 0.2842, 0.1751



25.7301, 0.2764, 0.1516



35.8735, 0.3543, 0.2174



18.0567, 0.3097, 0.3053



9.6230, 0.2578, 0.1194



0.9886, 0.2653, 0.1235

Inverse Universe

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



32.6951, 0.4508, 0.2917



27.4951, 0.4953, 0.2895



75.5997, 0.2896, 0.4798



18.0621, 0.3255, 0.3230



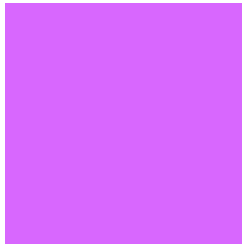
11.3233, 0.5930, 0.3041



1.1192, 0.5615, 0.2867

Previews

White Background



This preview shows how the Yxy color 31.4552, 0.2842, 0.1751 looks on a white background.

Color Contrast Check

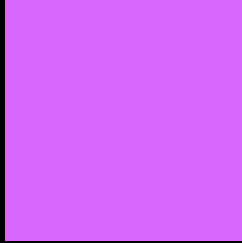
Large Text (above 18pt) WCAG AA × Fail

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 31.4552, 0.2842, 0.1751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

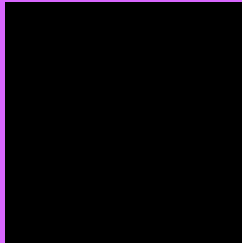
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4552, 0.2842, 0.1751

Background



This preview shows how black text looks on a background with the Yxy color 31.4552, 0.2842, 0.1751.



This preview shows how white text looks on a background with the Yxy color 31.4552, 0.2842, 0.1751.

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

31.4552, 0.2842, 0.1751

Protanopia

31.8407, 0.2105, 0.1923

Deuteranopia

31.9717, 0.2114, 0.2053



Tritanopia

31.3432, 0.3768, 0.3160

Trichromacy



Original Color

31.4552, 0.2842, 0.1751



Protanomaly

29.9256, 0.2301, 0.1796



Deuteranomaly

29.7680, 0.2302, 0.1872



Tritanomaly

30.7484, 0.3403, 0.2540

Monochromacy



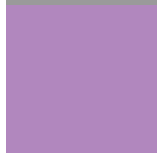
Original Color

31.4552, 0.2842, 0.1751



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.3928, 0.3029, 0.2551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4552, 0.2842, 0.1751 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(216, 103, 254)` looks like.

```
.text, #text, p{  
    color:rgb(216, 103, 254)  
}
```

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(216, 103, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 103, 254) }
```

Border

The CSS property to change the border of an element to Yxy 31.4552, 0.2842, 0.1751 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(216, 103, 254) }
```

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

```
.border{ border-color:rgb(216, 103, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 103, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 103, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 103, 254);  
box-shadow:4px 4px 4px 4px rgb(216, 103,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4552, 0.2842, 0.1751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 103, 254) }
```

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

```
.background{ background-color: rgb(216,  
103, 254) }
```

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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