

Converting Colors

$Y_{xy}(31.9495, 0.2752, 0.1837)$

Have a look what the booklet for
Yxy(31.9495, 0.2752, 0.1837)
contains.

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Color

Yxy(31.9495, 0.2752, 0.1837)

Conversions

Conversions Part 1

Format	Color
Hex	CA74FA
RGB	202, 116, 250
RGB Percent	79%, 45%, 98%
CMY	0.2078, 0.5451, 0.0195
CMYK	0.19, 0.54, 0.00, 0.02
HSL	279°, 93%, 72%
HSV	279°, 54%, 98%
XYZ	47.8634, 31.9495, 94.1093
YIQ	156.9900, 8.2420, 59.9060

Conversions

Conversions Part 2

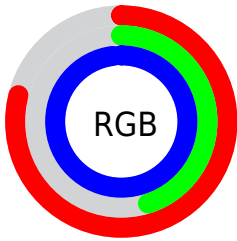
Format	Color
R _Y B	202, 116, 250
Decimal	13268218
CIE Lab	63.30, 55.98, -53.79
CIE LCh	63, 77.630, 316.145
Yxy	31.9495, 0.2752, 0.1837
Android (android.graphics.Color)	4291458298 (0xFFCA74FA)
YUV	156.9900, 45.8539, 39.4738
Hunter-Lab	56.5239, 52.2337, -59.1480

Details

The Yxy color **31.9495, 0.2752, 0.1837** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **77.5425, 0.3314, 0.4880**, and the grayscale version is **33.4997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6058, 0.3166, 0.2469**, and **13.4250, 0.2613, 0.1520** is the 20% darker color. If you saturate the color by 10%, you get **25.7288, 0.2656, 0.1589**, and if you desaturate by 10%, it is **39.7960, 0.2842, 0.2108**.

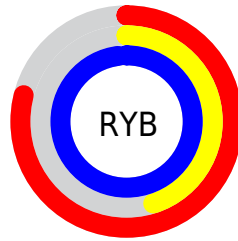
Distribution



Red (79%)

Green (45%)

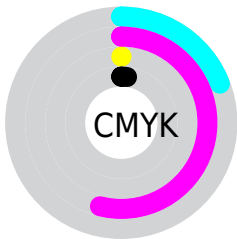
Blue (98%)



Red (79%)

Yellow (45%)

Blue (98%)

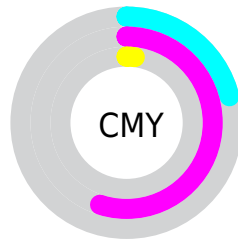


Cyan (19%)

Magenta (54%)

Yellow (0%)

Black (2%)



Cyan (21%)


Magenta (55%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9495, 0.2752, 0.1837 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 31.9495, 0.2752, 0.1837 by changing the saturation by 10% instead.


 31.9495, 0.2752,
0.1837


 31.9495, 0.2752,
0.1837

310.8891, 0.2970,
0.2503

 21.3229, 0.2692,
0.1692


 62.7319, 0.2836,
0.2064

 13.3603, 0.2612,
0.1517


 83.6565, 0.2867,
0.2153

 7.6771, 0.2504,
0.1306


 108.7827, 0.2892,
0.2231

 3.8890, 0.2351,
0.1050

138.4946, 0.2912,
0.2299

 1.6117, 0.2126,
0.0744

173.1769, 0.2930,
0.2359

 0.3655, 0.1798,
0.0321


213.2138, 0.2945,


 0.0000, 0.1250,


0.2413


0.0000


258.9897, 0.2958,
0.2460

 0.0000, 0.0000,
0.0000

 31.9495, 0.2752,
0.1837


 31.9495, 0.2752,
0.1837


 25.7288, 0.2656,
0.1589


 39.7960, 0.2842,
0.2108


 21.0012, 0.2558,
0.1377


 49.3789, 0.2923,
0.2390

 17.6191, 0.2460,
0.1212

 60.8036, 0.2995,
0.2672

 15.4011, 0.2367,
0.1098

 74.1657, 0.3058,
0.2944

 14.4253, 0.2311,
0.1046

 89.5540, 0.3110,
0.3202

99.6839, 0.3156,
0.3337

Harmonies

Analogous

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



31.9495, 0.1854, 0.1623



31.9495, 0.2752, 0.1837



31.9495, 0.3996, 0.2313

Triad

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



31.9495, 0.2752, 0.1837



31.9495, 0.5036, 0.4520



31.9495, 0.1445, 0.3180

Complementary

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



31.9495, 0.2752, 0.1837



77.5425, 0.3314, 0.4880

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.



31.9495, 0.2091, 0.4646



31.9495, 0.2752, 0.1837



31.9495, 0.4149, 0.5308

Square

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



31.9495, 0.2752, 0.1837



31.9495, 0.5462, 0.3707



31.9495, 0.3090, 0.5559



31.9495, 0.1232, 0.2166

Rectangle

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



31.9495, 0.2752, 0.1837



31.9495, 0.4793, 0.2738



31.9495, 0.3090, 0.5559



31.9495, 0.1609, 0.3649

Sweetspot

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



31.9508, 0.2752, 0.1837



74.0071, 0.3043, 0.2880



37.5761, 0.2216, 0.2194



15.2100, 0.3031, 0.2824



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.



31.9508, 0.2752, 0.1837



26.6478, 0.2652, 0.1579



38.6528, 0.3354, 0.2151



17.1954, 0.3080, 0.3052



7.7336, 0.2325, 0.1054



0.7758, 0.2430, 0.1112

Inverse Universe

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



35.4982, 0.4121, 0.2793



31.0901, 0.4438, 0.2728



73.8184, 0.2970, 0.4798



17.3279, 0.3237, 0.3205



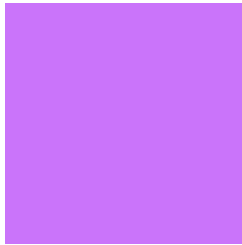
11.1929, 0.5549, 0.2830



1.0561, 0.5220, 0.2649

Previews

White Background



This preview shows how the Yxy color 31.9495, 0.2752, 0.1837 looks on a white background.

Color Contrast Check

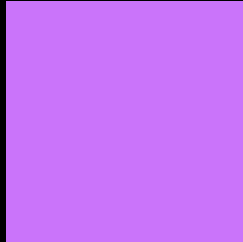
Large Text (above 18pt) WCAG AA × Fail

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 31.9495, 0.2752, 0.1837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

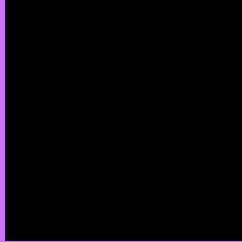
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9495, 0.2752, 0.1837

Background



This preview shows how black text looks on a background with the Yxy color 31.9495, 0.2752, 0.1837.



This preview shows how white text looks on a background with the Yxy color 31.9495, 0.2752, 0.1837.

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

31.9495, 0.2752, 0.1837

Protanopia

32.2839, 0.2118, 0.1939

Deuteranopia

32.5253, 0.2154, 0.2095



Tritanopia

31.8815, 0.3514, 0.3140

Trichromacy



Original Color

31.9495, 0.2752, 0.1837



Protanomaly

31.1084, 0.2295, 0.1872



Deuteranomaly

30.9854, 0.2316, 0.1948



Tritanomaly

31.3398, 0.3203, 0.2569

Monochromacy



Original Color

31.9495, 0.2752, 0.1837



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

31.9918, 0.2980, 0.2625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9495, 0.2752, 0.1837 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(202, 116, 250)` looks like.

```
.text, #text, p{  
    color:rgb(202, 116, 250)  
}
```

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(202, 116, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 116, 250) }
```

Border

The CSS property to change the border of an element to Yxy 31.9495, 0.2752, 0.1837 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(202, 116, 250) }
```

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

```
.border{ border-color:rgb(202, 116, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 116, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 116, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 116, 250);  
box-shadow:4px 4px 4px 4px rgb(202, 116,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9495, 0.2752, 0.1837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 116, 250) }
```

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

```
.background{ background-color: rgb(202,  
116, 250) }
```

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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