

Converting Colors

$Y_{xy}(33.7393, 0.2615, 0.1882)$

Have a look what the booklet for
Yxy(33.7393, 0.2615, 0.1882)
contains.

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Color

Yxy(33.7393, 0.2615, 0.1882)

Conversions

Conversions Part 1

Format	Color
Hex	BD81FF
RGB	189, 129, 255
RGB Percent	74%, 51%, 100%
CMY	0.2590, 0.4940, 0.0000
CMYK	0.26, 0.49, 0.00, 0.00
HSL	269°, 100%, 75%
HSV	269°, 49%, 100%
XYZ	46.8801, 33.7393, 98.6543
YIQ	161.3040, -4.6860, 51.9060

Conversions

Conversions Part 2

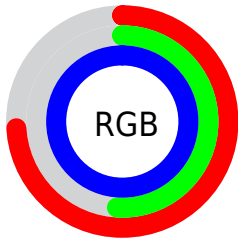
Format	Color
RYB	189, 129, 255
Decimal	12419583
CIELab	64.76, 46.97, -54.30
CIELCh	65, 71.793, 310.861
Yxy	33.7393, 0.2615, 0.1882
Android (android.graphics.Color)	4290609663 (0xFFBD81FF)
YUV	161.3040, 46.1921, 24.2894
Hunter-Lab	58.0855, 42.4153, -60.0401

Details

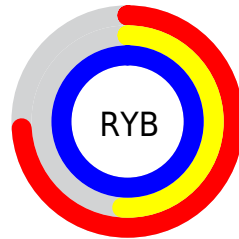
The Yxy color **33.7393, 0.2615, 0.1882** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.7152, 0.3443, 0.4685**, and the grayscale version is **35.5723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0434, 0.3106, 0.2573**, and **14.2905, 0.2440, 0.1559** is the 20% darker color. If you saturate the color by 10%, you get **26.2076, 0.2478, 0.1593**, and if you desaturate by 10%, it is **43.1062, 0.2744, 0.2185**.

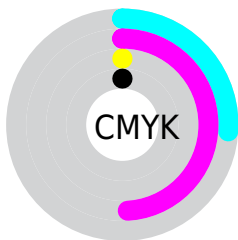
Distribution



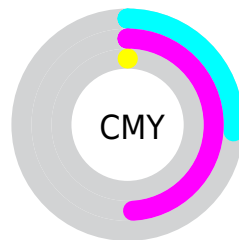
- Red (74%)
- Green (51%)
- Blue (100%)



- Red (74%)
- Yellow (51%)
- Blue (100%)



- Cyan (26%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7393, 0.2615, 0.1882 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 33.7393, 0.2615, 0.1882 by changing the saturation by 10% instead.

 33.7393, 0.2615,
0.1882


 33.7393, 0.2615,
0.1882


318.9680, 0.2894,
0.2529

 22.6934, 0.2542,
0.1740


 65.5281, 0.2720,
0.2103

 14.3673, 0.2447,
0.1570


 87.0397, 0.2758,
0.2190

 8.3766, 0.2322,
0.1363


 112.8087, 0.2790,
0.2266

 4.3368, 0.2150,
0.1111

143.2195, 0.2818,
0.2332

 1.8637, 0.1906,
0.0807

178.6564, 0.2841,
0.2390

 0.5264, 0.1556,
0.0424

219.5039, 0.2861,

 0.0000, 0.1016,


0.2442


0.0000


266.1463, 0.2879,
0.2488

 0.0000, 0.0000,
0.0000

 33.7393, 0.2615,
0.1882


 33.7393, 0.2615,
0.1882

 26.2076, 0.2478,
0.1593


 43.1062, 0.2744,
0.2185


 20.3773, 0.2339,
0.1334


 54.4237, 0.2861,
0.2487

 16.0995, 0.2202,
0.1119

 67.8007, 0.2964,
0.2778

 13.1971, 0.2076,
0.0961

 83.3369, 0.3054,
0.3052

 11.4001, 0.1964,
0.0858

100.0000, 0.3127,
0.3290

■ 11.3091, 0.1958,
0.0852

Harmonies

Analogous

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



33.7393, 0.1841, 0.1728



33.7393, 0.2615, 0.1882



33.7393, 0.3718, 0.2293

Triad

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



33.7393, 0.2615, 0.1882



33.7393, 0.5021, 0.4341



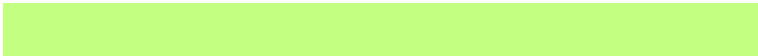
33.7393, 0.1651, 0.3425

Complementary

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



33.7393, 0.2615, 0.1882



84.7152, 0.3443, 0.4685

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.



33.7393, 0.2339, 0.4715



33.7393, 0.2615, 0.1882



33.7393, 0.4273, 0.5064

Square

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



33.7393, 0.2615, 0.1882



33.7393, 0.5272, 0.3591



33.7393, 0.3304, 0.5369



33.7393, 0.1369, 0.2395

Rectangle

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



33.7393, 0.2615, 0.1882



33.7393, 0.4470, 0.2680



33.7393, 0.3304, 0.5369



33.7393, 0.1836, 0.3861

Sweetspot

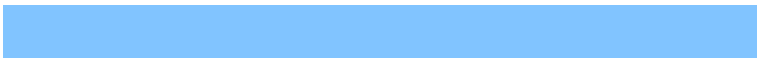
The Sweet Spot groups the original color and five complimentary colors.



33.7402, 0.2615, 0.1882



74.3706, 0.3006, 0.2902



51.4633, 0.2340, 0.2568



15.2339, 0.2986, 0.2843



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.



33.7402, 0.2615, 0.1882



26.4778, 0.2484, 0.1604



43.3982, 0.3146, 0.2081



17.8016, 0.3054, 0.3050



5.9968, 0.1975, 0.0861



0.6484, 0.2099, 0.0930

Inverse Universe

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



40.9087, 0.3771, 0.2617



34.7078, 0.3963, 0.2508



78.1100, 0.3074, 0.4858



18.1462, 0.3212, 0.3166



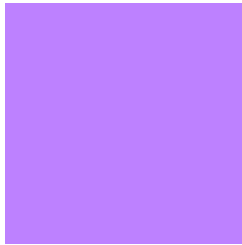
12.0338, 0.4862, 0.2452



1.1938, 0.4621, 0.2319

Previews

White Background



This preview shows how the Yxy color 33.7393, 0.2615, 0.1882 looks on a white background.

Color Contrast Check

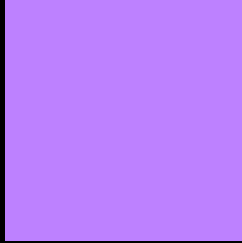
Large Text (above 18pt) WCAG AA × Fail

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 33.7393, 0.2615, 0.1882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

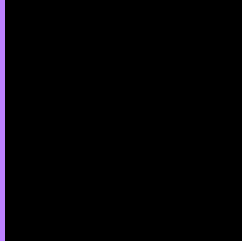
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7393, 0.2615, 0.1882

Background



This preview shows how black text looks on a background with the Yxy color 33.7393, 0.2615, 0.1882.



This preview shows how white text looks on a background with the Yxy color 33.7393, 0.2615, 0.1882.

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

33.7393, 0.2615, 0.1882

Protanopia

34.0442, 0.2164, 0.2002

Deuteranopia

34.0177, 0.2147, 0.2081



Tritanopia

33.5482, 0.3226, 0.3120

Trichromacy



Original Color

33.7393, 0.2615, 0.1882



Protanomaly

33.3104, 0.2300, 0.1939



Deuteranomaly

33.0667, 0.2279, 0.1983



Tritanomaly

33.0954, 0.2984, 0.2589

Monochromacy



Original Color

33.7393, 0.2615, 0.1882



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

34.0929, 0.2928, 0.2669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7393, 0.2615, 0.1882 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(189, 129, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 129, 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(189, 129, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 129, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.7393, 0.2615, 0.1882 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(189, 129, 255) }
```

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

```
.border{ border-color:rgb(189, 129, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 129, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 129, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 129, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 129,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7393, 0.2615, 0.1882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 129, 255) }
```

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

```
.background{ background-color: rgb(189,  
129, 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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