

Converting Colors

$Y_{xy}(19.8268, 0.2630, 0.1324)$

Have a look what the booklet for
Yxy(19.8268, 0.2630, 0.1324)
contains.

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Color

Yxy(19.8867, 0.2631, 0.1327)

Conversions

Conversions Part 1

Format	Color
Hex	BF2FF8
RGB	191, 47, 248
RGB Percent	75%, 18%, 97%
CMY	0.2513, 0.8151, 0.0275
CMYK	0.23, 0.81, 0.00, 0.03
HSL	283°, 93%, 58%
HSV	283°, 81%, 97%
XYZ	39.4287, 19.8867, 90.5467
YIQ	112.9700, 21.3030, 93.0390

Conversions

Conversions Part 2

Format	Color
R _{YB}	191, 47, 248
Decimal	12529656
CIE _{Lab}	51.71, 81.05, -71.34
CIE _{LCh}	52, 107.975, 318.648
Yxy	19.8867, 0.2631, 0.1327
Android (android.graphics.Color)	4290719736 (0xFFBF2FF8)
YUV	112.9700, 66.5698, 68.4323
Hunter-Lab	44.5945, 79.7823, -89.1689

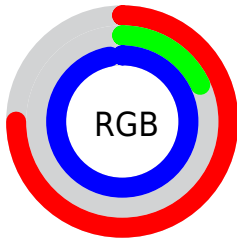
Details

The Yxy color **19.8867, 0.2631, 0.1327** is a light color, and the websafe version is hex **CC33FF**.

The color can be described as light washed purple. A complement of this color would be **70.2803, 0.3204, 0.5656**, and the grayscale version is **16.3175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2843, 0.3163, 0.1945**, and **8.5430, 0.2436, 0.1116** is the 20% darker color. If you saturate the color by 10%, you get **17.5391, 0.2555, 0.1212**, and if you desaturate by 10%, it is **23.4049, 0.2709, 0.1491**.

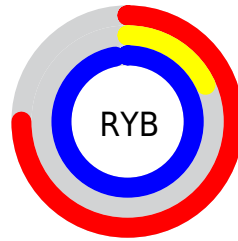
Distribution



Red (75%)

Green (18%)

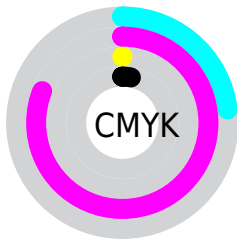
Blue (97%)



Red (75%)

Yellow (18%)

Blue (97%)

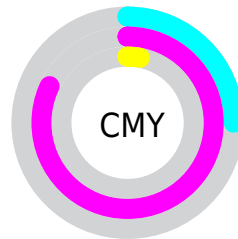


Cyan (23%)

Magenta (81%)

Yellow (0%)

Black (3%)



Cyan (25%)


Magenta (82%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8867, 0.2631, 0.1327 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 19.8867, 0.2631, 0.1327 by changing the saturation by 10% instead.


 19.8867, 0.2631,
0.1327


 19.8867, 0.2631,
0.1327


251.3011, 0.2946,
0.2211


 12.3127, 0.2539,
0.1146


 43.2271, 0.2757,
0.1620


 6.9570, 0.2415,
0.0938


 59.7624, 0.2802,
0.1739


 3.4352, 0.2246,
0.0702


 80.0535, 0.2838,
0.1842

 1.3630, 0.2010,
0.0447

 104.4849, 0.2867,
0.1934

 0.1892, 0.1690,
0.0108

 133.4410, 0.2892,
0.2015

 0.0000, 0.1209,
0.0000

167.3061, 0.2913,

 0.0000, 0.0128,

0.2088


0.0000


206.4647, 0.2931,
0.2153


 0.0000, 0.0000,
0.0000


 19.8867, 0.2631,
0.1327

 19.8867, 0.2631,
0.1327


 17.5391, 0.2555,
0.1212


 23.4049, 0.2709,
0.1491

 16.1862, 0.2488,
0.1144

 28.2584, 0.2786,
0.1698

 34.5872, 0.2860,
0.1939

 42.5127, 0.2928,
0.2202

 52.1437, 0.2988,
0.2476

63.5792, 0.3041,
0.2749

76.9105, 0.3086,
0.3015

92.2227, 0.3124,
0.3266

99.4275, 0.3164,
0.3357

Harmonies

Analogous

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



19.8867, 0.1396, 0.1050



19.8867, 0.2631, 0.1327



19.8867, 0.4622, 0.1922

Triad

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



19.8867, 0.2631, 0.1327



19.8867, 0.5399, 0.4601



19.8867, 0.0717, 0.2755

Complementary

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



19.8867, 0.2631, 0.1327



70.2803, 0.3204, 0.5656

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.



19.8867, 0.1336, 0.5429



19.8867, 0.2631, 0.1327



19.8867, 0.3945, 0.6055

Square

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



19.8867, 0.2631, 0.1327



19.8867, 0.6404, 0.3496



19.8867, 0.2518, 0.7031



19.8867, 0.0611, 0.1491

Rectangle

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



19.8867, 0.2631, 0.1327



19.8867, 0.5883, 0.2429



19.8867, 0.2518, 0.7031



19.8867, 0.0850, 0.3507

Sweetspot

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



19.8875, 0.2631, 0.1327



63.8254, 0.3026, 0.2666



17.9810, 0.1768, 0.1358



12.7283, 0.3007, 0.2569



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.



19.8875, 0.2631, 0.1327



17.6681, 0.2509, 0.1164



26.5411, 0.3659, 0.1901



17.2624, 0.3092, 0.3053



8.8203, 0.2500, 0.1151



0.8705, 0.2587, 0.1199

Inverse Universe

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



22.9998, 0.5240, 0.2854



21.9748, 0.5781, 0.2976



68.4204, 0.2912, 0.5462



17.3063, 0.3249, 0.3223



11.0431, 0.5822, 0.2981



1.0401, 0.5486, 0.2796

Previews

White Background



This preview shows how the Yxy color 19.8867, 0.2631, 0.1327 looks on a white background.

Color Contrast Check

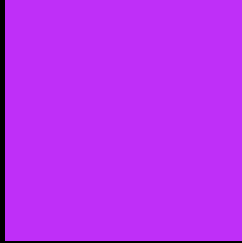
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8867, 0.2631, 0.1327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

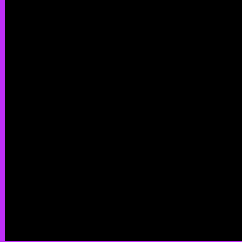
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8867, 0.2631, 0.1327

Background



This preview shows how black text looks on a background with the Yxy color 19.8867, 0.2631, 0.1327.



This preview shows how white text looks on a background with the Yxy color 19.8867, 0.2631, 0.1327.

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

19.8867, 0.2631, 0.1327

Protanopia

20.2219, 0.1737, 0.1454

Deuteranopia

20.1422, 0.1834, 0.1801



Tritanopia

19.6165, 0.3951, 0.3169

Trichromacy



Original Color

19.8867, 0.2631, 0.1327



Protanomaly

16.0589, 0.1789, 0.1208



Deuteranomaly

15.5841, 0.1852, 0.1364



Tritanomaly

18.2247, 0.3406, 0.2226

Monochromacy



Original Color

19.8867, 0.2631, 0.1327



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

15.4161, 0.2906, 0.2125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8867, 0.2631, 0.1327 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(191, 47, 248)` looks like.

```
.text, #text, p{  
    color:rgb(191, 47, 248)  
}
```

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(191, 47, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 47, 248) }
```

Border

The CSS property to change the border of an element to Yxy 19.8867, 0.2631, 0.1327 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(191, 47, 248) }
```

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

```
.border{ border-color:rgb(191, 47, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 47, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 47, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 47, 248);  
box-shadow:4px 4px 4px 4px rgb(191, 47,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8867, 0.2631, 0.1327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 47, 248) }
```

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

```
.background{ background-color: rgb(191, 47,  
248) }
```

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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