

Converting Colors

$Y_{xy}(18.7799, 0.2780, 0.1330)$

Have a look what the booklet for
Yxy(18.7799, 0.2780, 0.1330)
contains.

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Color

Yxy(18.8399, 0.2783, 0.1332)

Conversions

Conversions Part 1

Format	Color
Hex	C713EF
RGB	199, 19, 239
RGB Percent	78%, 7%, 94%
CMY	0.2197, 0.9251, 0.0627
CMYK	0.17, 0.92, 0.00, 0.06
HSL	289°, 87%, 51%
HSV	289°, 92%, 94%
XYZ	39.3629, 18.8399, 83.2378
YIQ	97.9000, 36.6600, 106.5800

Conversions

Conversions Part 2

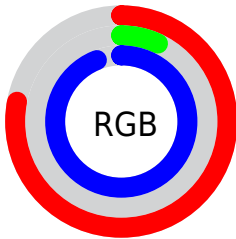
Format	Color
R _Y B	199, 19, 239
Decimal	13046767
CIE Lab	50.50, 86.06, -68.22
CIE LCh	50, 109.818, 321.596
Yxy	18.8399, 0.2783, 0.1332
Android (android.graphics.Color)	4291236847 (0xFFC713EF)
YUV	97.9000, 69.5623, 88.6647
Hunter-Lab	43.4050, 85.9188, -83.3172

Details

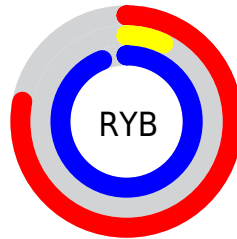
The Yxy color **18.8399, 0.2783, 0.1332** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **62.7256, 0.3079, 0.5888**, and the grayscale version is **12.0180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4037, 0.3194, 0.1874**, and **8.8664, 0.2618, 0.1216** is the 20% darker color. If you saturate the color by 10%, you get **17.9018, 0.2745, 0.1286**, and if you desaturate by 10%, it is **20.7028, 0.2832, 0.1424**.

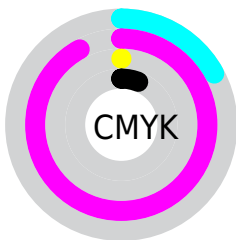
Distribution



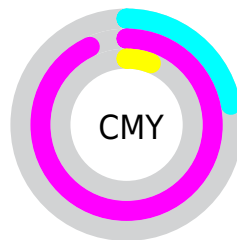
- Red (78%)
- Green (7%)
- Blue (94%)



- Red (78%)
- Yellow (7%)
- Blue (94%)



- Cyan (17%)
- Magenta (92%)
- Yellow (0%)
- Black (6%)





- Cyan (22%)
- Magenta (93%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8399, 0.2783, 0.1332 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 18.8399, 0.2783, 0.1332 by changing the saturation by 10% instead.

 18.8399, 0.2783,
0.1332


 18.8399, 0.2783,
0.1332


245.5635, 0.3026,
0.2220


 11.5547, 0.2706,
0.1148


 41.4634, 0.2885,
0.1628


 6.4412, 0.2599,
0.0936


 57.5704, 0.2919,
0.1747

 3.1152, 0.2448,
0.0696


 77.3868, 0.2947,
0.1852

 1.1922, 0.2228,
0.0435

 101.2970, 0.2969,
0.1943

 0.0553, 0.1930,
0.0036

 129.6854, 0.2987,
0.2025

 0.0000, 0.1420,
0.0000

 162.9363, 0.3002,


 0.0000, 0.0147,


0.2097


0.0000


201.4342, 0.3015,
0.2162

 0.0000, 0.0000,
0.0000


 18.8399, 0.2783,
0.1332

 18.8399, 0.2783,
0.1332


 17.9018, 0.2745,
0.1286

 20.7028, 0.2832,
0.1424

 23.5983, 0.2880,
0.1562

 27.6822, 0.2928,
0.1744

 33.0833, 0.2972,
0.1962

 39.9134, 0.3012,
0.2206

■ 48.2726, 0.3048,
0.2466

■ 58.2518, 0.3078,
0.2730

■ 69.9347, 0.3103,
0.2991

■ 83.3992, 0.3124,
0.3241

Harmonies

Analogous

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



18.8399, 0.1445, 0.1024



18.8399, 0.2783, 0.1332



18.8399, 0.4882, 0.1959

Triad

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



18.8399, 0.2783, 0.1332



18.8399, 0.5281, 0.4719



18.8399, 0.0642, 0.2533

Complementary

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



18.8399, 0.2783, 0.1332



62.7256, 0.3079, 0.5888

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.



18.8399, 0.1185, 0.5208



18.8399, 0.2783, 0.1332



18.8399, 0.3759, 0.6241

Square

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



18.8399, 0.2783, 0.1332



18.8399, 0.6424, 0.3562



18.8399, 0.2330, 0.7153



18.8399, 0.0579, 0.1377

Rectangle

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



18.8399, 0.2783, 0.1332



18.8399, 0.6111, 0.2472



18.8399, 0.2330, 0.7153



18.8399, 0.0753, 0.3249

Sweetspot

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



18.8407, 0.2783, 0.1332



60.2122, 0.3060, 0.2569



9.5428, 0.1591, 0.0871



11.8744, 0.3046, 0.2455



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.



18.8407, 0.2783, 0.1332



20.7127, 0.2743, 0.1285



21.7016, 0.4123, 0.2079



15.8774, 0.3109, 0.3055



9.9442, 0.2752, 0.1290



0.8647, 0.2816, 0.1325

Inverse Universe

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



19.1401, 0.5938, 0.3103



21.4607, 0.6159, 0.3167



62.6005, 0.2857, 0.5431



15.8058, 0.3265, 0.3247



10.2532, 0.6120, 0.3145



0.8660, 0.5777, 0.2956

Previews

White Background



This preview shows how the Yxy color 18.8399, 0.2783, 0.1332 looks on a white background.

Color Contrast Check

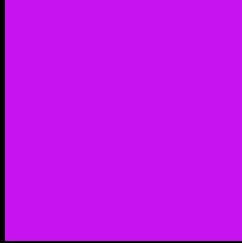
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8399, 0.2783, 0.1332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

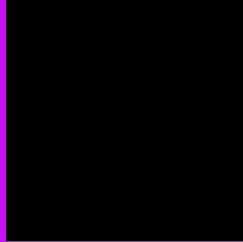
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8399, 0.2783, 0.1332

Background



This preview shows how black text looks on a background with the Yxy color 18.8399, 0.2783, 0.1332.



This preview shows how white text looks on a background with the Yxy color 18.8399, 0.2783, 0.1332.

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

18.8399, 0.2783, 0.1332

Protanopia

19.3764, 0.1741, 0.1467

Deuteranopia

19.1757, 0.1831, 0.1791



Tritanopia

18.8470, 0.4288, 0.3193

Trichromacy



Original Color

18.8399, 0.2783, 0.1332



Protanomaly

13.7336, 0.1789, 0.1127



Deuteranomaly

13.3110, 0.1848, 0.1261



Tritanomaly

16.8461, 0.3683, 0.2202

Monochromacy



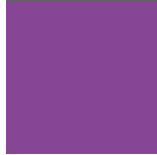
Original Color

18.8399, 0.2783, 0.1332



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.5771, 0.2980, 0.1967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8399, 0.2783, 0.1332 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(199, 19, 239)` looks like.

```
.text, #text, p{  
    color:rgb(199, 19, 239)  
}
```

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(199, 19, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 19, 239) }
```

Border

The CSS property to change the border of an element to Yxy 18.8399, 0.2783, 0.1332 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(199, 19, 239) }
```

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

```
.border{ border-color:rgb(199, 19, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 19, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 19, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 19, 239);  
box-shadow:4px 4px 4px 4px rgb(199, 19,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8399, 0.2783, 0.1332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 19, 239) }
```

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

```
.background{ background-color: rgb(199, 19,  
239) }
```

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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