

Converting Colors

$Y_{xy}(19.7480, 0.2898, 0.1467)$

Have a look what the booklet for
Yxy(19.7480, 0.2898, 0.1467)
contains.

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Color

Yxy(19.8024, 0.2900, 0.1469)

Conversions

Conversions Part 1

Format	Color
Hex	C92BE5
RGB	201, 43, 229
RGB Percent	79%, 17%, 90%
CMY	0.2118, 0.8313, 0.1019
CMYK	0.12, 0.81, 0.00, 0.10
HSL	291°, 78%, 53%
HSV	291°, 81%, 90%
XYZ	39.0926, 19.8024, 75.9070
YIQ	111.4460, 34.4620, 91.3420

Conversions

Conversions Part 2

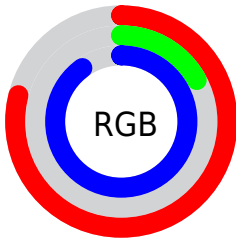
Format	Color
R _{YB}	201, 43, 229
Decimal	13183973
CIE _{Lab}	51.61, 80.40, -60.76
CIE _{LCh}	52, 100.782, 322.920
Y _{xy}	19.8024, 0.2900, 0.1469
Android (android.graphics.Color)	4291374053 (0xFFC92BE5)
YUV	111.4460, 57.9541, 78.5389
Hunter-Lab	44.4999, 78.9350, -69.9857

Details

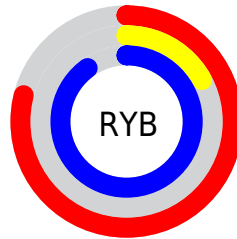
The Yxy color **19.8024, 0.2900, 0.1469** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **57.5681, 0.3094, 0.5734**, and the grayscale version is **15.8577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4173, 0.3190, 0.1942**, and **8.7293, 0.2774, 0.1302** is the 20% darker color. If you saturate the color by 10%, you get **18.1050, 0.2860, 0.1379**, and if you desaturate by 10%, it is **22.4457, 0.2939, 0.1605**.

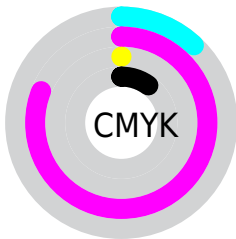
Distribution



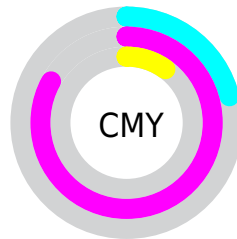
- Red (79%)
- Green (17%)
- Blue (90%)



- Red (79%)
- Yellow (17%)
- Blue (90%)



- Cyan (12%)
- Magenta (81%)
- Yellow (0%)
- Black (10%)





- Cyan (21%)
- Magenta (83%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8024, 0.2900, 0.1469 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 19.8024, 0.2900, 0.1469 by changing the saturation by 10% instead.


 19.8024, 0.2900,
0.1469


 19.8024, 0.2900,
0.1469


250.8434, 0.3074,
0.2313


 12.2515, 0.2840,
0.1288


 43.0856, 0.2976,
0.1755


 6.9152, 0.2755,
0.1075


 59.5868, 0.3001,
0.1869


 3.4091, 0.2631,
0.0827


 79.8401, 0.3021,
0.1968

 1.3489, 0.2441,
0.0546

 104.2300, 0.3036,
0.2054

 0.1786, 0.2170,
0.0133

 133.1409, 0.3049,
0.2130

 0.0000, 0.1673,
0.0000

166.9571, 0.3059,

 0.0000, 0.0112,

0.2198

0.0000

206.0632, 0.3067,
0.2258

■ 0.0000, 0.0000,
0.0000

■ 19.8024, 0.2900,
0.1469

■ 19.8024, 0.2900,
0.1469

■ 18.1050, 0.2860,
0.1379

■ 22.4457, 0.2939,
0.1605


■ 17.1933, 0.2826,
0.1330


■ 26.1691, 0.2977,
0.1783

■ 31.0877, 0.3012,
0.1997


■ 37.3013, 0.3043,
0.2238

■ 44.8990, 0.3070,
0.2493

 53.9620, 0.3093,
0.2754

 64.5653, 0.3111,
0.3012

 76.7786, 0.3126,
0.3261

 90.6676, 0.3137,
0.3495

Harmonies

Analogous

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



19.8024, 0.1596, 0.1150



19.8024, 0.2900, 0.1469



19.8024, 0.4820, 0.2093

Triad

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



19.8024, 0.2900, 0.1469



19.8024, 0.5186, 0.4814



19.8024, 0.0771, 0.2563

Complementary

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



19.8024, 0.2900, 0.1469



57.5681, 0.3094, 0.5734

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.



19.8024, 0.1316, 0.4888



19.8024, 0.2900, 0.1469



19.8024, 0.3811, 0.6189

Square

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



19.8024, 0.2900, 0.1469



19.8024, 0.6195, 0.3693



19.8024, 0.2438, 0.6755



19.8024, 0.0701, 0.1487

Rectangle

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



19.8024, 0.2900, 0.1469



19.8024, 0.5911, 0.2602



19.8024, 0.2438, 0.6755



19.8024, 0.0886, 0.3198

Sweetspot

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



19.8032, 0.2900, 0.1469



65.2665, 0.3086, 0.2678



11.0739, 0.1691, 0.1065



13.0787, 0.3078, 0.2584



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.



19.8032, 0.2900, 0.1469



22.2466, 0.2835, 0.1343



21.1826, 0.4021, 0.2121



14.4994, 0.3114, 0.3057



9.8703, 0.2832, 0.1334



0.7594, 0.2890, 0.1366

Inverse Universe

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



18.8475, 0.5629, 0.3091



21.6151, 0.6159, 0.3185



57.5859, 0.2820, 0.5142



14.4032, 0.3269, 0.3255



9.6030, 0.6188, 0.3182



0.7207, 0.5831, 0.2986

Previews

White Background



This preview shows how the Yxy color 19.8024, 0.2900, 0.1469 looks on a white background.

Color Contrast Check

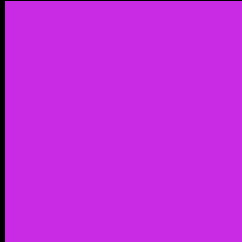
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8024, 0.2900, 0.1469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

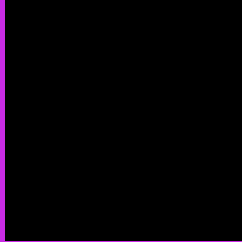
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8024, 0.2900, 0.1469

Background



This preview shows how black text looks on a background with the Yxy color 19.8024, 0.2900, 0.1469.



This preview shows how white text looks on a background with the Yxy color 19.8024, 0.2900, 0.1469.

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

19.8024, 0.2900, 0.1469

Protanopia

20.2219, 0.1737, 0.1454

Deuteranopia

20.2125, 0.1907, 0.1845



Tritanopia

19.6593, 0.4330, 0.3196

Trichromacy



Original Color

19.8024, 0.2900, 0.1469



Protanomaly

15.4303, 0.1817, 0.1228



Deuteranomaly

16.1716, 0.2065, 0.1483



Tritanomaly

18.5540, 0.3763, 0.2361

Monochromacy



Original Color

19.8024, 0.2900, 0.1469



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

14.9180, 0.3041, 0.2196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8024, 0.2900, 0.1469 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(201, 43, 229)` looks like.

```
.text, #text, p{  
    color:rgb(201, 43, 229)  
}
```

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(201, 43, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 43, 229) }
```

Border

The CSS property to change the border of an element to Yxy 19.8024, 0.2900, 0.1469 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(201, 43, 229) }
```

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

```
.border{ border-color:rgb(201, 43, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 43, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 43, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 43, 229);  
box-shadow:4px 4px 4px 4px rgb(201, 43,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8024, 0.2900, 0.1469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 43, 229) }
```

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

```
.background{ background-color: rgb(201, 43,  
229) }
```

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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