

Converting Colors

$Y_{xy}(19.5072, 0.3024, 0.1502)$

Have a look what the booklet for
Yxy(19.5072, 0.3024, 0.1502)
contains.

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Color

Yxy(19.4835, 0.3026, 0.1505)

Conversions

Conversions Part 1

Format	Color
Hex	CE21DE
RGB	206, 33, 222
RGB Percent	81%, 13%, 87%
CMY	0.1923, 0.8701, 0.1294
CMYK	0.07, 0.85, 0.00, 0.13
HSL	295°, 74%, 50%
HSV	295°, 85%, 87%
XYZ	39.1741, 19.4835, 70.8008
YIQ	106.2730, 42.4390, 95.4550

Conversions

Conversions Part 2

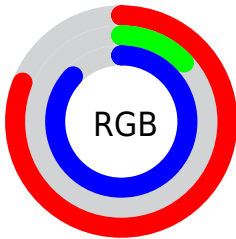
Format	Color
R _Y B	206, 33, 222
Decimal	13509086
CIE Lab	51.25, 82.24, -57.32
CIE LCh	51, 100.243, 325.120
Yxy	19.4835, 0.3026, 0.1505
Android (android.graphics.Color)	4291699166 (0xFFCE21DE)
YUV	106.2730, 57.0534, 87.4606
Hunter-Lab	44.1401, 81.1727, -64.2032

Details

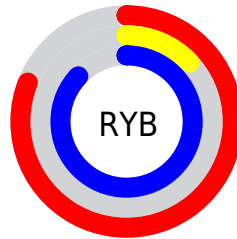
The Yxy color **19.4835, 0.3026, 0.1505** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **53.0080, 0.3044, 0.5832**, and the grayscale version is **14.3395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3806, 0.3192, 0.1907**, and **8.9562, 0.2924, 0.1385** is the 20% darker color. If you saturate the color by 10%, you get **18.3597, 0.3005, 0.1443**, and if you desaturate by 10%, it is **21.4238, 0.3046, 0.1610**.

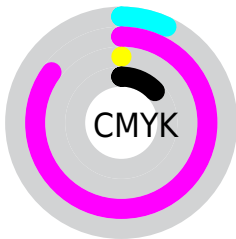
Distribution



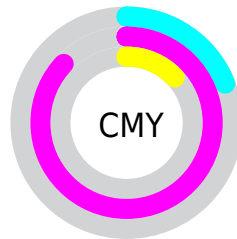
- Red (81%)
- Green (13%)
- Blue (87%)



- Red (81%)
- Yellow (13%)
- Blue (87%)



- Cyan (7%)
- Magenta (85%)
- Yellow (0%)
- Black (13%)





- Cyan (19%)
- Magenta (87%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4835, 0.3026, 0.1505 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 19.4835, 0.3026, 0.1505 by changing the saturation by 10% instead.


 19.4835, 0.3026,
0.1505


 19.4835, 0.3026,
0.1505


249.1051, 0.3134,
0.2339


 12.0202, 0.2982,
0.1324


 42.5495, 0.3078,
0.1789

 6.7574, 0.2917,
0.1109


 58.9210, 0.3094,
0.1902


 3.3109, 0.2817,
0.0857


 79.0306, 0.3106,
0.2000

 1.2961, 0.2656,
0.0569

 103.2628, 0.3115,
0.2085

 0.1382, 0.2425,
0.0115

 132.0020, 0.3122,
0.2160

 0.0000, 0.1934,
0.0000


165.6325, 0.3127,


 0.0000, 0.0171,


0.2226


0.0000


204.5387, 0.3131,
0.2286


 0.0000, 0.0000,
0.0000


 19.4835, 0.3026,
0.1505


 19.4835, 0.3026,
0.1505

 18.3597, 0.3005,
0.1443


 21.4238, 0.3046,
0.1610

 17.9918, 0.2994,
0.1423

 24.3158, 0.3065,
0.1759

 28.2730, 0.3082,
0.1947

 33.3922, 0.3096,
0.2166

 39.7593, 0.3107,
0.2408

■ 47.4523, 0.3116,
0.2660

■ 56.5425, 0.3122,
0.2916

■ 67.0964, 0.3126,
0.3166

■ 79.1761, 0.3128,
0.3406

Harmonies

Analogous

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



19.4835, 0.1666, 0.1162



19.4835, 0.3026, 0.1505



19.4835, 0.4961, 0.2147

Triad

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



19.4835, 0.3026, 0.1505



19.4835, 0.5090, 0.4910



19.4835, 0.0753, 0.2445

Complementary

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



19.4835, 0.3026, 0.1505



53.0080, 0.3044, 0.5832

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.



19.4835, 0.1254, 0.4687



19.4835, 0.3026, 0.1505



19.4835, 0.3712, 0.6288

Square

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



19.4835, 0.3026, 0.1505



19.4835, 0.6151, 0.3766



19.4835, 0.2344, 0.6711



19.4835, 0.0708, 0.1443

Rectangle

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



19.4835, 0.3026, 0.1505



19.4835, 0.5997, 0.2659



19.4835, 0.2344, 0.6711



19.4835, 0.0855, 0.3044

Sweetspot

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



19.4844, 0.3026, 0.1505



63.6945, 0.3115, 0.2632



8.0550, 0.1618, 0.0866



12.8166, 0.3112, 0.2543



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.



19.4844, 0.3026, 0.1505



24.6034, 0.2992, 0.1422



18.7122, 0.4288, 0.2236



13.8734, 0.3124, 0.3058



10.7112, 0.2997, 0.1425



0.7601, 0.3032, 0.1444

Inverse Universe

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



16.8460, 0.5937, 0.3203



21.3166, 0.6330, 0.3261



53.6631, 0.2774, 0.5047



13.7193, 0.3279, 0.3270



9.2586, 0.6303, 0.3246



0.6484, 0.6048, 0.3106

Previews

White Background



This preview shows how the Yxy color 19.4835, 0.3026, 0.1505 looks on a white background.

Color Contrast Check

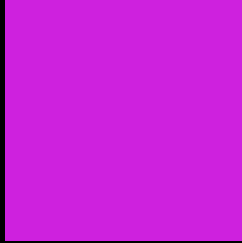
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4835, 0.3026, 0.1505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

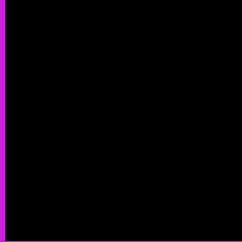
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4835, 0.3026, 0.1505

Background



This preview shows how black text looks on a background with the Yxy color 19.4835, 0.3026, 0.1505.



This preview shows how white text looks on a background with the Yxy color 19.4835, 0.3026, 0.1505.

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

19.4835, 0.3026, 0.1505

Protanopia

19.8590, 0.1737, 0.1454

Deuteranopia

19.9183, 0.1978, 0.1925



Tritanopia

19.4216, 0.4532, 0.3214

Trichromacy



Original Color

19.4835, 0.3026, 0.1505



Protanomaly

14.6035, 0.1825, 0.1210



Deuteranomaly

15.7820, 0.2173, 0.1520



Tritanomaly

18.0691, 0.3957, 0.2396

Monochromacy



Original Color

19.4835, 0.3026, 0.1505



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.4809, 0.3093, 0.2161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4835, 0.3026, 0.1505 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(206, 33, 222)` looks like.

```
.text, #text, p{  
    color:rgb(206, 33, 222)  
}
```

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(206, 33, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 33, 222) }
```

Border

The CSS property to change the border of an element to Yxy 19.4835, 0.3026, 0.1505 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(206, 33, 222) }
```

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

```
.border{ border-color:rgb(206, 33, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 33, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 33, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 33, 222);  
box-shadow:4px 4px 4px 4px rgb(206, 33,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4835, 0.3026, 0.1505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 33, 222) }
```

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

```
.background{ background-color: rgb(206, 33,  
222) }
```

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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