

Converting Colors

$Y_{xy}(18.1082, 0.3083, 0.1472)$

Have a look what the booklet for
Yxy(18.1082, 0.3083, 0.1472)
contains.

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Color

Yxy(18.1316, 0.3081, 0.1471)

Conversions

Conversions Part 1

Format	Color
Hex	CE00D9
RGB	206, 0, 217
RGB Percent	81%, 0%, 85%
CMY	0.1922, 0.9997, 0.1490
CMYK	0.05, 1.00, 0.00, 0.15
HSL	297°, 100%, 43%
HSV	297°, 100%, 85%
XYZ	37.9765, 18.1316, 67.1522
YIQ	86.3320, 53.1190, 111.1590

Conversions

Conversions Part 2

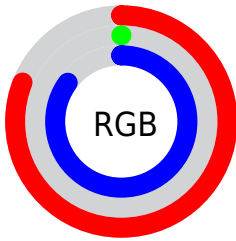
Format	Color
R_{YB}	206, 0, 217
Decimal	13500633
CIE _{Lab}	49.66, 85.27, -57.04
CIE _{LCh}	50, 102.590, 326.219
Yxy	18.1316, 0.3081, 0.1471
Android (android.graphics.Color)	4291690713 (0xFFCE00D9)
YUV	86.3320, 64.4193, 104.9488
Hunter-Lab	42.5812, 84.6800, -63.6958

Details

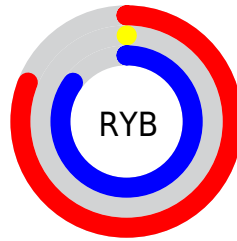
The Yxy color **18.1316, 0.3081, 0.1471** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **49.7044, 0.3009, 0.5993**, and the grayscale version is **9.2432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4854, 0.3195, 0.1842**, and **8.6842, 0.2978, 0.1414** is the 20% darker color. If you saturate the color by 10%, you get **18.1299, 0.3081, 0.1471**, and if you desaturate by 10%, it is **18.8547, 0.3093, 0.1512**.

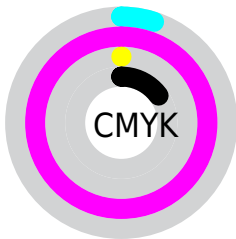
Distribution



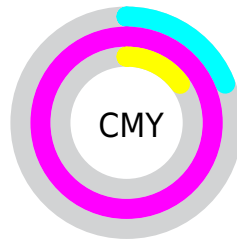
- Red (81%)
- Green (0%)
- Blue (85%)



- Red (81%)
- Yellow (0%)
- Blue (85%)



- Cyan (5%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)





- Cyan (19%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1316, 0.3081, 0.1471 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 18.1316, 0.3081, 0.1471 by changing the saturation by 10% instead.


 18.1316, 0.3081,
0.1471


 18.1316, 0.3081,
0.1471


241.6118, 0.3163,
0.2324


 11.0445, 0.3042,
0.1285


 40.2614, 0.3125,
0.1763


 6.0968, 0.2982,
0.1066


 56.0730, 0.3137,
0.1878


 2.9040, 0.2887,
0.0808


 75.5615, 0.3146,
0.1978

 1.0818, 0.2729,
0.0517

 99.1113, 0.3152,
0.2065

 0.0000, 0.2512,
0.0000

 127.1068, 0.3157,
0.2142

 0.0000, 0.1982,
0.0000

 159.9325, 0.3160,

 0.0000, 0.0000,

0.2210

0.0000

197.9727, 0.3162,
0.2270

■ 18.1316, 0.3081,
0.1471

■ 18.1316, 0.3081,
0.1471

■ 18.1299, 0.3081,
0.1471

■ 18.8547, 0.3093,
0.1512

■ 20.2120, 0.3104,
0.1589

■ 22.4116, 0.3114,
0.1710

■ 25.5697, 0.3121,
0.1873

■ 29.7843, 0.3127,
0.2072

■ 35.1413, 0.3130,
0.2298

■ 41.7177, 0.3132,
0.2542

■ 49.5840, 0.3132,
0.2794

■ 58.8051, 0.3130,
0.3046

Harmonies

Analogous

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



18.1316, 0.1654, 0.1114



18.1316, 0.3081, 0.1471



18.1316, 0.5111, 0.2130

Triad

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



18.1316, 0.3081, 0.1471



18.1316, 0.5050, 0.4950



18.1316, 0.0682, 0.2335

Complementary

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



18.1316, 0.3081, 0.1471



49.7044, 0.3009, 0.5993

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.



18.1316, 0.1148, 0.4646



18.1316, 0.3081, 0.1471



18.1316, 0.3602, 0.6398

Square

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



18.1316, 0.3081, 0.1471



18.1316, 0.6222, 0.3773



18.1316, 0.2225, 0.6863



18.1316, 0.0658, 0.1360

Rectangle

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



18.1316, 0.3081, 0.1471



18.1316, 0.6157, 0.2644



18.1316, 0.2225, 0.6863



18.1316, 0.0773, 0.2936

Sweetspot

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



18.1324, 0.3081, 0.1471



59.7902, 0.3132, 0.2534



5.3400, 0.1510, 0.0635



11.8924, 0.3132, 0.2429



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.



18.1324, 0.3081, 0.1471



26.1044, 0.3080, 0.1470



16.1859, 0.4697, 0.2361



13.2394, 0.3130, 0.3059



10.9878, 0.3083, 0.1472



0.7224, 0.3105, 0.1484

Inverse Universe

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



14.7800, 0.6356, 0.3276



21.2890, 0.6364, 0.3280



50.4426, 0.2790, 0.5243



13.0622, 0.3284, 0.3279



8.9492, 0.6343, 0.3268



0.5836, 0.6174, 0.3175

Previews

White Background



This preview shows how the Yxy color 18.1316, 0.3081, 0.1471 looks on a white background.

Color Contrast Check

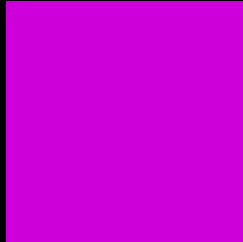
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.1316, 0.3081, 0.1471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

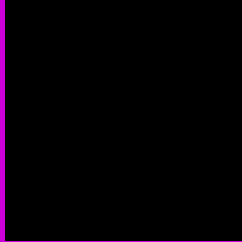
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1316, 0.3081, 0.1471

Background



This preview shows how black text looks on a background with the Yxy color 18.1316, 0.3081, 0.1471.



This preview shows how white text looks on a background with the Yxy color 18.1316, 0.3081, 0.1471.

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

18.1316, 0.3081, 0.1471

Protanopia

19.0224, 0.1741, 0.1467

Deuteranopia

18.9339, 0.1984, 0.1929



Tritanopia

18.3287, 0.4672, 0.3216

Trichromacy



Original Color

18.1316, 0.3081, 0.1471



Protanomaly

12.3339, 0.1809, 0.1104



Deuteranomaly

13.3559, 0.2171, 0.1391



Tritanomaly

16.1802, 0.4082, 0.2309

Monochromacy



Original Color

18.1316, 0.3081, 0.1471



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

9.1994, 0.3124, 0.1932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1316, 0.3081, 0.1471 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, 0, 217)` looks like.

```
.text, #text, p{  
    color:rgb(206, 0, 217)  
}
```

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, 0, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 0, 217) }
```

Border

The CSS property to change the border of an element to Yxy 18.1316, 0.3081, 0.1471 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, 0, 217) }
```

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

```
.border{ border-color:rgb(206, 0, 217) }
```

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

Here you see how a box with a 4 pixel rgb(206, 0, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(206, 0,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1316, 0.3081, 0.1471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 0, 217) }
```

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

```
.background{ background-color: rgb(206, 0,  
217) }
```

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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