

Converting Colors

$Yxy(18.2596, 0.3316, 0.1601)$

Have a look what the booklet for
Yxy(18.2596, 0.3316, 0.1601)
contains.

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Color

Yxy(18.3088, 0.3319, 0.1602)

Conversions

Conversions Part 1

Format	Color
Hex	D400CB
RGB	212, 0, 203
RGB Percent	83%, 0%, 80%
CMY	0.1686, 1.0000, 0.2038
CMYK	0.00, 1.00, 0.04, 0.17
HSL	303°, 100%, 42%
HSV	303°, 100%, 83%
XYZ	37.9319, 18.3088, 58.0464
YIQ	86.5300, 61.1890, 108.0770

Conversions

Conversions Part 2

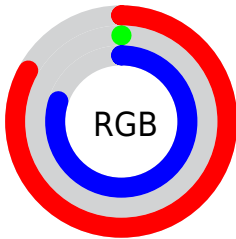
Format	Color
RYB	212, 0, 203
Decimal	13893835
CIELab	49.87, 84.21, -48.60
CIELCh	50, 97.226, 330.007
Yxy	18.3088, 0.3319, 0.1602
Android (android.graphics.Color)	4292083915 (0xFFD400CB)
YUV	86.5300, 57.4197, 110.0372
Hunter-Lab	42.7888, 83.3584, -50.4795

Details

The Yxy color **18.3088, 0.3319, 0.1602** 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 **47.1056, 0.2994, 0.5977**, and the grayscale version is **9.2921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4854, 0.3195, 0.1842**, and **8.8135, 0.3275, 0.1578** is the 20% darker color. If you saturate the color by 10%, you get **18.3094, 0.3319, 0.1602**, and if you desaturate by 10%, it is **18.8965, 0.3305, 0.1630**.

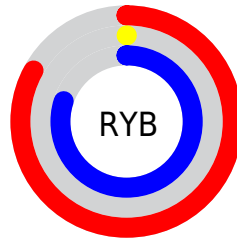
Distribution



Red (83%)

Green (0%)

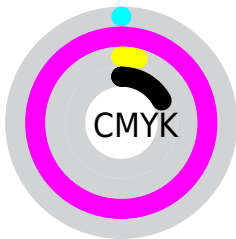
Blue (80%)



Red (83%)

Yellow (0%)

Blue (80%)

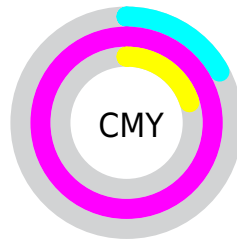


Cyan (0%)

Magenta (100%)

Yellow (4%)

Black (17%)



Cyan (17%)


Magenta (100%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3088, 0.3319, 0.1602 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 18.3088, 0.3319, 0.1602 by changing the saturation by 10% instead.


 18.3088, 0.3319,
0.1602


 18.3088, 0.3319,
0.1602


242.6059, 0.3266,
0.2411


 11.1719, 0.3317,
0.1419


 40.5628, 0.3311,
0.1883

 6.1826, 0.3305,
0.1199


 56.4487, 0.3304,
0.1993

 2.9564, 0.3272,
0.0934


 76.0198, 0.3298,
0.2087

 1.1090, 0.3197,
0.0622

 99.6604, 0.3291,
0.2169

 0.0000, 0.3118,
0.0000

 127.7549, 0.3284,
0.2241

 0.0000, 0.2659,
0.0000

 160.6877, 0.3278,

 0.0000, 0.0000,

0.2305

0.0000

198.8432, 0.3272,
0.2361

■ 18.3088, 0.3319,
0.1602

■ 18.3088, 0.3319,
0.1602

■ 18.3094, 0.3319,
0.1602

■ 18.8965, 0.3305,
0.1630

■ 20.0808, 0.3289,
0.1694

■ 22.0621, 0.3271,
0.1801

■ 24.9499, 0.3251,
0.1950

■ 28.8369, 0.3230,
0.2135

■ 33.8039, 0.3208,
0.2347

■ 39.9239, 0.3186,
0.2577

■ 47.2633, 0.3165,
0.2817

■ 55.8835, 0.3145,
0.3056

Harmonies

Analogous

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



18.3088, 0.1845, 0.1208



18.3088, 0.3319, 0.1602



18.3088, 0.5240, 0.2279

Triad

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



18.3088, 0.3319, 0.1602



18.3088, 0.4873, 0.5127



18.3088, 0.0735, 0.2221

Complementary

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



18.3088, 0.3319, 0.1602



47.1056, 0.2994, 0.5977

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.



18.3088, 0.1145, 0.4238



18.3088, 0.3319, 0.1602



18.3088, 0.3495, 0.6461

Square

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



18.3088, 0.3319, 0.1602



18.3088, 0.6026, 0.3947



18.3088, 0.2156, 0.6516



18.3088, 0.0742, 0.1371

Rectangle

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



18.3088, 0.3319, 0.1602



18.3088, 0.6131, 0.2793



18.3088, 0.2156, 0.6516



18.3088, 0.0812, 0.2740

Sweetspot

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



18.3097, 0.3319, 0.1602



60.3132, 0.3187, 0.2570



4.7993, 0.1509, 0.0605



12.0199, 0.3196, 0.2470



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.



18.3097, 0.3319, 0.1602



27.8038, 0.3320, 0.1603



14.8966, 0.5121, 0.2595



12.6232, 0.3144, 0.3070



11.3075, 0.3317, 0.1601



0.6849, 0.3297, 0.1590

Inverse Universe

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



18.3097, 0.3319, 0.1602



27.8038, 0.3320, 0.1603



48.2797, 0.2697, 0.4908



12.6232, 0.3144, 0.3070



11.3075, 0.3317, 0.1601



0.6849, 0.3297, 0.1590

Previews

White Background



This preview shows how the Yxy color 18.3088, 0.3319, 0.1602 looks on a white background.

Color Contrast Check

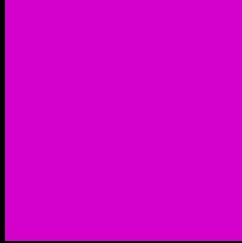
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3088, 0.3319, 0.1602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

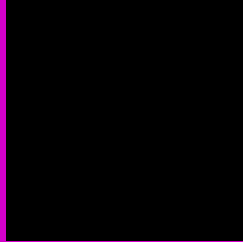
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3088, 0.3319, 0.1602

Background



This preview shows how black text looks on a background with the Yxy color 18.3088, 0.3319, 0.1602.



This preview shows how white text looks on a background with the Yxy color 18.3088, 0.3319, 0.1602.

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

18.3088, 0.3319, 0.1602

Protanopia

19.1446, 0.1737, 0.1454

Deuteranopia

18.9439, 0.2159, 0.2096



Tritanopia

18.6726, 0.4909, 0.3236

Trichromacy



Original Color

18.3088, 0.3319, 0.1602



Protanomaly

12.1885, 0.1830, 0.1127



Deuteranomaly

13.7761, 0.2430, 0.1558



Tritanomaly

16.7635, 0.4356, 0.2436

Monochromacy



Original Color

18.3088, 0.3319, 0.1602



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.2229, 0.3239, 0.2012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3088, 0.3319, 0.1602 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(212, 0, 203)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 203)  
}
```

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(212, 0, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 203) }
```

Border

The CSS property to change the border of an element to Yxy 18.3088, 0.3319, 0.1602 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(212, 0, 203) }
```

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

```
.border{ border-color:rgb(212, 0, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 0, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 203);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3088, 0.3319, 0.1602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 203) }
```

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

```
.background{ background-color: rgb(212, 0,  
203) }
```

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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