

Converting Colors

$Yxy(19.8683, 0.3293, 0.1588)$

Have a look what the booklet for
Yxy(19.8683, 0.3293, 0.1588)
contains.

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Color

Yxy(19.8135, 0.3292, 0.1587)

Conversions

Conversions Part 1

Format	Color
Hex	DB00D4
RGB	219, 0, 212
RGB Percent	86%, 0%, 83%
CMY	0.1411, 1.0000, 0.1687
CMYK	0.00, 1.00, 0.03, 0.14
HSL	302°, 100%, 43%
HSV	302°, 100%, 86%
XYZ	41.1002, 19.8135, 63.9351
YIQ	89.6490, 62.4720, 112.3600

Conversions

Conversions Part 2

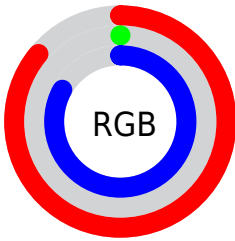
Format	Color
RYB	219, 0, 212
Decimal	14352596
CIELab	51.63, 86.61, -50.88
CIELCh	52, 100.449, 329.566
Yxy	19.8135, 0.3292, 0.1587
Android (android.graphics.Color)	4292542676 (0xFFDB00D4)
YUV	89.6490, 60.3190, 113.4408
Hunter-Lab	44.5124, 86.9203, -54.0022

Details

The Yxy color **19.8135, 0.3292, 0.1587** 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 **50.6902, 0.2995, 0.5984**, and the grayscale version is **9.9957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8457, 0.3195, 0.1854**, and **9.8052, 0.3240, 0.1559** is the 20% darker color. If you saturate the color by 10%, you get **19.8163, 0.3292, 0.1587**, and if you desaturate by 10%, it is **20.4219, 0.3281, 0.1616**.

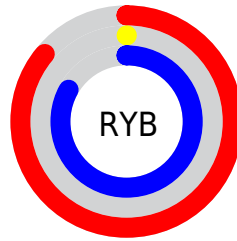
Distribution



Red (86%)

Green (0%)

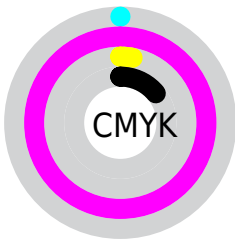
Blue (83%)



Red (86%)

Yellow (0%)

Blue (83%)

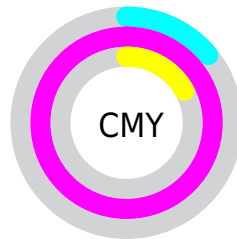


Cyan (0%)

Magenta (100%)

Yellow (3%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8135, 0.3292, 0.1587 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 19.8135, 0.3292, 0.1587 by changing the saturation by 10% instead.


 19.8135, 0.3292,
0.1587


 19.8135, 0.3292,
0.1587


250.9037, 0.3256,
0.2390


 12.2595, 0.3286,
0.1409


 43.1043, 0.3290,
0.1863


 6.9207, 0.3269,
0.1196


 59.6099, 0.3286,
0.1972


 3.4126, 0.3232,
0.0942


 79.8682, 0.3281,
0.2066

 1.3507, 0.3154,
0.0644

 104.2636, 0.3276,
0.2147

 0.1800, 0.3039,
0.0167

 133.1804, 0.3271,
0.2219

 0.0000, 0.2663,
0.0000

 167.0031, 0.3265,

 0.0000, 0.1148,

0.2283

0.0000

206.1161, 0.3260,
0.2339

■ 0.0000, 0.0000,
0.0000

■ 19.8135, 0.3292,
0.1587

■ 19.8135, 0.3292,
0.1587

■ 19.8163, 0.3292,
0.1587

■ 20.4219, 0.3281,
0.1616

■ 21.6744, 0.3269,
0.1680

■ 23.7858, 0.3254,
0.1787

■ 26.8750, 0.3237,
0.1937

■ 31.0425, 0.3219,
0.2122

■ 36.3761, 0.3200,
0.2336

■ 42.9547, 0.3180,
0.2569

■ 50.8503, 0.3162,
0.2811

■ 60.1294, 0.3144,
0.3053

Harmonies

Analogous

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



19.8135, 0.1823, 0.1197



19.8135, 0.3292, 0.1587



19.8135, 0.5227, 0.2262

Triad

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



19.8135, 0.3292, 0.1587



19.8135, 0.4893, 0.5107



19.8135, 0.0729, 0.2233

Complementary

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



19.8135, 0.3292, 0.1587



50.6902, 0.2995, 0.5984

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.



19.8135, 0.1146, 0.4282



19.8135, 0.3292, 0.1587



19.8135, 0.3508, 0.6455

Square

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



19.8135, 0.3292, 0.1587



19.8135, 0.6043, 0.3924



19.8135, 0.2164, 0.6557



19.8135, 0.0732, 0.1370

Rectangle

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



19.8135, 0.3292, 0.1587



19.8135, 0.6135, 0.2776



19.8135, 0.2164, 0.6557



19.8135, 0.0808, 0.2761

Sweetspot

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



19.8163, 0.3292, 0.1587



60.3628, 0.3181, 0.2563



5.1392, 0.1504, 0.0602



12.0320, 0.3189, 0.2462



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.



19.8163, 0.3292, 0.1587



27.9634, 0.3293, 0.1588



16.1013, 0.5054, 0.2558



13.2672, 0.3143, 0.3067



11.7507, 0.3291, 0.1586



0.7636, 0.3276, 0.1579

Inverse Universe

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



19.8163, 0.3292, 0.1587



27.9634, 0.3293, 0.1588



51.8707, 0.2714, 0.4969



13.2672, 0.3143, 0.3067



11.7507, 0.3291, 0.1586



0.7636, 0.3276, 0.1579

Previews

White Background



This preview shows how the Yxy color 19.8135, 0.3292, 0.1587 looks on a white background.

Color Contrast Check

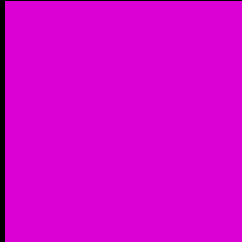
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8135, 0.3292, 0.1587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

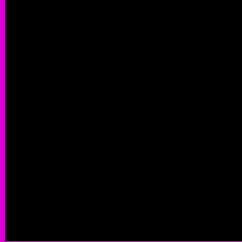
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8135, 0.3292, 0.1587

Background



This preview shows how black text looks on a background with the Yxy color 19.8135, 0.3292, 0.1587.



This preview shows how white text looks on a background with the Yxy color 19.8135, 0.3292, 0.1587.

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

19.8135, 0.3292, 0.1587

Protanopia

20.6529, 0.1735, 0.1447

Deuteranopia

20.5846, 0.2142, 0.2088



Tritanopia

20.0296, 0.4887, 0.3226

Trichromacy



Original Color

19.8135, 0.3292, 0.1587



Protanomaly

13.1064, 0.1825, 0.1114



Deuteranomaly

15.0025, 0.2398, 0.1545



Tritanomaly

18.1163, 0.4331, 0.2419

Monochromacy



Original Color

19.8135, 0.3292, 0.1587



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

9.9659, 0.3237, 0.2006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8135, 0.3292, 0.1587 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(219, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 212)  
}
```

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(219, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 212) }
```

Border

The CSS property to change the border of an element to Yxy 19.8135, 0.3292, 0.1587 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(219, 0, 212) }
```

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

```
.border{ border-color:rgb(219, 0, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 0, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8135, 0.3292, 0.1587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 212) }
```

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

```
.background{ background-color: rgb(219, 0,  
212) }
```

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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