

Converting Colors

$Y_{xy}(18.8001, 0.3858, 0.1958)$

Have a look what the booklet for
Yxy(18.8001, 0.3858, 0.1958)
contains.

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Color

Yxy(18.7391, 0.3852, 0.1955)

Conversions

Conversions Part 1

Format	Color
Hex	DB1AAB
RGB	219, 26, 171
RGB Percent	86%, 10%, 67%
CMY	0.1413, 0.8973, 0.3295
CMYK	0.00, 0.88, 0.22, 0.14
HSL	315°, 79%, 48%
HSV	315°, 88%, 86%
XYZ	36.9223, 18.7391, 40.1908
YIQ	100.2370, 68.4830, 86.0110

Conversions

Conversions Part 2

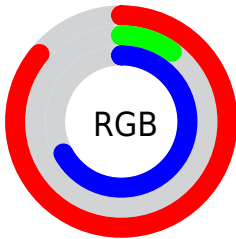
Format	Color
R_{YB}	219, 26, 171
Decimal	14359211
CIE Lab	50.38, 78.70, -29.02
CIE LCh	50, 83.883, 339.761
Yxy	18.7391, 0.3852, 0.1955
Android (android.graphics.Color)	4292549291 (0xFFDB1AAB)
YUV	100.2370, 34.8862, 104.1552
Hunter-Lab	43.2887, 76.4930, -24.7450

Details

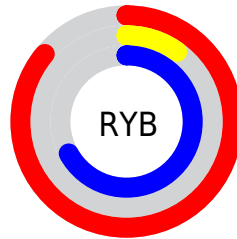
The Yxy color **18.7391, 0.3852, 0.1955** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **51.3587, 0.2892, 0.5502**, and the grayscale version is **12.7295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1134, 0.3467, 0.2095**, and **8.6789, 0.3980, 0.1966** is the 20% darker color. If you saturate the color by 10%, you get **17.8826, 0.3949, 0.1957**, and if you desaturate by 10%, it is **20.3258, 0.3751, 0.1999**.

Distribution



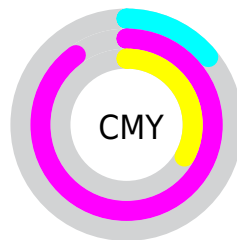
- Red (86%)
- Green (10%)
- Blue (67%)



- Red (86%)
- Yellow (10%)
- Blue (67%)



- Cyan (0%)
- Magenta (88%)
- Yellow (22%)
- Black (14%)





- Cyan (14%)
- Magenta (90%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7391, 0.3852, 0.1955 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 18.7391, 0.3852, 0.1955 by changing the saturation by 10% instead.


 18.7391, 0.3852,
0.1955


 18.7391, 0.3852,
0.1955


245.0046, 0.3481,
0.2629


 11.4819, 0.3946,
0.1789


 41.2928, 0.3716,
0.2199

 6.3920, 0.4065,
0.1580


 57.3580, 0.3665,
0.2291


 3.0849, 0.4222,
0.1311


 77.1281, 0.3622,
0.2369


 1.1762, 0.4432,
0.0962

 100.9874, 0.3586,
0.2436

 0.0421, 0.4935,
0.0082

 129.3203, 0.3554,
0.2494

 0.0000, 0.5117,
0.0000

 162.5112, 0.3526,

 0.0000, 0.0000,

0.2545

0.0000

200.9445, 0.3502,
0.2590

■ 18.7391, 0.3852,
0.1955

■ 18.7391, 0.3852,
0.1955

■ 17.8826, 0.3949,
0.1957

■ 20.3258, 0.3751,
0.1999

■ 17.7504, 0.3969,
0.1960

■ 22.8036, 0.3649,
0.2090

■ 26.2881, 0.3550,
0.2221

■ 30.8768, 0.3456,
0.2383

■ 36.6557, 0.3371,
0.2565

■ 43.7022, 0.3294,
0.2757

■ 52.0872, 0.3226,
0.2951

■ 61.8763, 0.3168,
0.3142

■ 73.1307, 0.3118,
0.3325

Harmonies

Analogous

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



18.7391, 0.2357, 0.1481



18.7391, 0.3852, 0.1955



18.7391, 0.5404, 0.2655

Triad

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



18.7391, 0.3852, 0.1955



18.7391, 0.4454, 0.5461



18.7391, 0.0903, 0.2044

Complementary

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



18.7391, 0.3852, 0.1955



51.3587, 0.2892, 0.5502

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.



18.7391, 0.1183, 0.3461



18.7391, 0.3852, 0.1955



18.7391, 0.3185, 0.6248

Square

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



18.7391, 0.3852, 0.1955



18.7391, 0.5521, 0.4347



18.7391, 0.1995, 0.5510



18.7391, 0.0996, 0.1444

Rectangle

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



18.7391, 0.3852, 0.1955



18.7391, 0.5944, 0.3168



18.7391, 0.1995, 0.5510



18.7391, 0.0948, 0.2406

Sweetspot

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



18.7401, 0.3852, 0.1955



63.7288, 0.3281, 0.2792



7.2053, 0.1742, 0.0796



12.8259, 0.3306, 0.2724



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.



18.7401, 0.3852, 0.1955



25.0454, 0.3976, 0.1964



16.3447, 0.5530, 0.2922



13.2166, 0.3175, 0.3116



10.5483, 0.3955, 0.1952



0.6968, 0.3807, 0.1871

Inverse Universe

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



18.7401, 0.3852, 0.1955



25.0454, 0.3976, 0.1964



53.6726, 0.2485, 0.4069



13.2166, 0.3175, 0.3116



10.5483, 0.3955, 0.1952



0.6968, 0.3807, 0.1871

Previews

White Background



This preview shows how the Yxy color 18.7391, 0.3852, 0.1955 looks on a white background.

Color Contrast Check

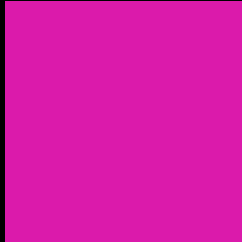
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7391, 0.3852, 0.1955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

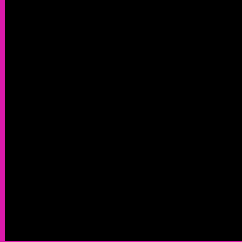
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7391, 0.3852, 0.1955

Background



This preview shows how black text looks on a background with the Yxy color 18.7391, 0.3852, 0.1955.



This preview shows how white text looks on a background with the Yxy color 18.7391, 0.3852, 0.1955.

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

18.7391, 0.3852, 0.1955

Protanopia

19.4311, 0.1816, 0.1546

Deuteranopia

19.1112, 0.2616, 0.2564



Tritanopia

18.8498, 0.5259, 0.3266

Trichromacy



Original Color

18.7391, 0.3852, 0.1955



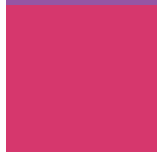
Protanomaly

14.3838, 0.2125, 0.1422



Deuteranomaly

15.6614, 0.2998, 0.2084



Tritanomaly

18.1326, 0.4807, 0.2736

Monochromacy



Original Color

18.7391, 0.3852, 0.1955



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.1111, 0.3444, 0.2387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7391, 0.3852, 0.1955 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, 26, 171)` looks like.

```
.text, #text, p{  
    color:rgb(219, 26, 171)  
}
```

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, 26, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 26, 171) }
```

Border

The CSS property to change the border of an element to Yxy 18.7391, 0.3852, 0.1955 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, 26, 171) }
```

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

```
.border{ border-color:rgb(219, 26, 171) }
```

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

Here you see how a box with a 4 pixel rgb(219, 26, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 26, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 26, 171);  
box-shadow:4px 4px 4px 4px rgb(219, 26,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7391, 0.3852, 0.1955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 26, 171) }
```

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

```
.background{ background-color: rgb(219, 26,  
171) }
```

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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