

Converting Colors

$Y_{xy}(19.1620, 0.3341, 0.1614)$

Have a look what the booklet for
Yxy(19.1620, 0.3341, 0.1614)
contains.

Yxy(19.2079, 0.3342, 0.1615)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.2079, 0.3342, 0.1615)

Conversions

Conversions Part 1

Format	Color
Hex	D900CE
RGB	217, 0, 206
RGB Percent	85%, 0%, 81%
CMY	0.1491, 0.9990, 0.1923
CMYK	0.00, 1.00, 0.05, 0.15
HSL	303°, 100%, 43%
HSV	303°, 100%, 85%
XYZ	39.7479, 19.2079, 59.9786
YIQ	88.3670, 63.2060, 110.0700

Conversions

Conversions Part 2

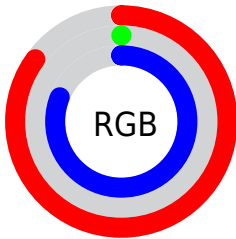
Format	Color
R_{YB}	217, 0, 206
Decimal	14221518
CIE _{Lab}	50.93, 85.42, -48.55
CIE _{LCh}	51, 98.251, 330.385
Yxy	19.2079, 0.3342, 0.1615
Android (android.graphics.Color)	4292411598 (0xFFD900CE)
YUV	88.3670, 57.9931, 112.8111
Hunter-Lab	43.8268, 85.1901, -50.4618

Details

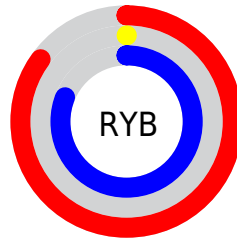
The Yxy color **19.2079, 0.3342, 0.1615** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **49.6436, 0.2993, 0.5973**, and the grayscale version is **9.7353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8457, 0.3195, 0.1854**, and **9.4025, 0.3306, 0.1595** is the 20% darker color. If you saturate the color by 10%, you get **19.2028, 0.3342, 0.1615**, and if you desaturate by 10%, it is **19.8291, 0.3326, 0.1642**.

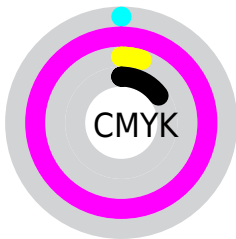
Distribution



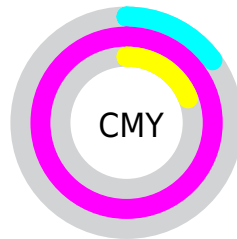
- Red (85%)
- Green (0%)
- Blue (81%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2079, 0.3342, 0.1615 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 19.2079, 0.3342, 0.1615 by changing the saturation by 10% instead.


 19.2079, 0.3342,
0.1615


 19.2079, 0.3342,
0.1615


247.5941, 0.3277,
0.2413


 11.8206, 0.3344,
0.1436


 42.0851, 0.3329,
0.1892

 6.6216, 0.3337,
0.1220


 58.3438, 0.3321,
0.2000


 3.2266, 0.3312,
0.0961


 78.3284, 0.3313,
0.2093


 1.2512, 0.3251,
0.0654

 102.4233, 0.3305,
0.2174

 0.1029, 0.3174,
0.0108

 131.0130, 0.3297,
0.2245

 0.0000, 0.2788,
0.0000

 164.4817, 0.3290,

 0.0000, 0.0665,

0.2307

0.0000

203.2140, 0.3283,
0.2363

■ 0.0000, 0.0000,
0.0000

■ 19.2079, 0.3342,
0.1615

■ 19.2079, 0.3342,
0.1615

■ 19.2028, 0.3342,
0.1615

■ 19.8291, 0.3326,
0.1642

■ 21.0866, 0.3307,
0.1705

■ 23.1863, 0.3286,
0.1811

■ 26.2444, 0.3263,
0.1960

■ 30.3585, 0.3239,
0.2144

■ 35.6146, 0.3215,
0.2355

■ 42.0895, 0.3191,
0.2585

■ 49.8536, 0.3168,
0.2823

■ 58.9718, 0.3147,
0.3061

Harmonies

Analogous

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



19.2079, 0.1864, 0.1218



19.2079, 0.3342, 0.1615



19.2079, 0.5252, 0.2294

Triad

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



19.2079, 0.3342, 0.1615



19.2079, 0.4856, 0.5144



19.2079, 0.0740, 0.2211

Complementary

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



19.2079, 0.3342, 0.1615



49.6436, 0.2993, 0.5973

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.



19.2079, 0.1145, 0.4201



19.2079, 0.3342, 0.1615



19.2079, 0.3477, 0.6451

Square

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



19.2079, 0.3342, 0.1615



19.2079, 0.6004, 0.3961



19.2079, 0.2148, 0.6480



19.2079, 0.0751, 0.1373

Rectangle

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



19.2079, 0.3342, 0.1615



19.2079, 0.6128, 0.2808



19.2079, 0.2148, 0.6480



19.2079, 0.0816, 0.2722

Sweetspot

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



19.2088, 0.3342, 0.1615



60.2720, 0.3192, 0.2576



5.0861, 0.1513, 0.0608



12.0098, 0.3202, 0.2477



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.



19.2088, 0.3342, 0.1615



27.6725, 0.3343, 0.1616



15.6323, 0.5192, 0.2635



13.2628, 0.3146, 0.3071



11.6312, 0.3340, 0.1614



0.7571, 0.3317, 0.1601

Inverse Universe

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



19.2088, 0.3342, 0.1615



27.6725, 0.3343, 0.1616



50.9616, 0.2681, 0.4850



13.2628, 0.3146, 0.3071



11.6312, 0.3340, 0.1614



0.7571, 0.3317, 0.1601

Previews

White Background



This preview shows how the Yxy color 19.2079, 0.3342, 0.1615 looks on a white background.

Color Contrast Check

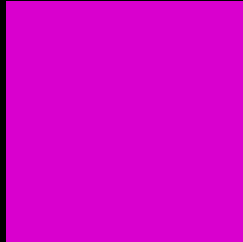
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2079, 0.3342, 0.1615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

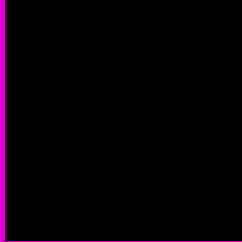
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2079, 0.3342, 0.1615

Background



This preview shows how black text looks on a background with the Yxy color 19.2079, 0.3342, 0.1615.



This preview shows how white text looks on a background with the Yxy color 19.2079, 0.3342, 0.1615.

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

19.2079, 0.3342, 0.1615

Protanopia

20.1587, 0.1739, 0.1460

Deuteranopia

19.9010, 0.2178, 0.2129



Tritanopia

19.5359, 0.4939, 0.3238

Trichromacy



Original Color

19.2079, 0.3342, 0.1615



Protanomaly

12.8293, 0.1831, 0.1129



Deuteranomaly

14.4315, 0.2441, 0.1570



Tritanomaly

17.6230, 0.4380, 0.2447

Monochromacy



Original Color

19.2079, 0.3342, 0.1615



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

9.8264, 0.3254, 0.2026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2079, 0.3342, 0.1615 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(217, 0, 206)` looks like.

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

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(217, 0, 206) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 19.2079, 0.3342, 0.1615 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(217, 0, 206) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to Yxy 19.2079, 0.3342, 0.1615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor