

Converting Colors

$Y_{xy}(13.8332, 0.3714, 0.1848)$

Have a look what the booklet for
Yxy(13.8332, 0.3714, 0.1848)
contains.

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Color

Yxy(13.7985, 0.3714, 0.1849)

Conversions

Conversions Part 1

Format	Color
Hex	BF0D9D
RGB	191, 13, 157
RGB Percent	75%, 5%, 62%
CMY	0.2510, 0.9490, 0.3842
CMYK	0.00, 0.93, 0.18, 0.25
HSL	311°, 87%, 40%
HSV	311°, 93%, 75%
XYZ	27.7164, 13.7985, 33.1119
YIQ	82.6380, 59.8640, 82.5200

Conversions

Conversions Part 2

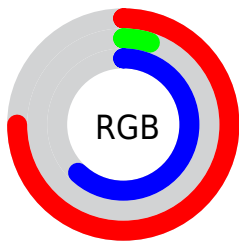
Format	Color
R_{YB}	191, 13, 157
Decimal	12520861
CIE _{Lab}	43.94, 73.19, -31.15
CIE _{LCh}	44, 79.544, 336.949
Yxy	13.7985, 0.3714, 0.1849
Android (android.graphics.Color)	4290710941 (0xFFBF0D9D)
YUV	82.6380, 36.6605, 95.0335
Hunter-Lab	37.1463, 68.1801, -26.8482

Details

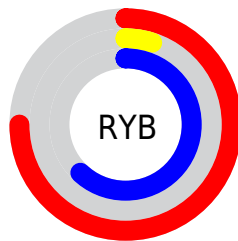
The Yxy color **13.7985, 0.3714, 0.1849** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **37.5506, 0.2935, 0.5709**, and the grayscale version is **8.4903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7449, 0.3602, 0.2128**, and **6.0065, 0.3807, 0.1871** is the 20% darker color. If you saturate the color by 10%, you get **13.4270, 0.3761, 0.1846**, and if you desaturate by 10%, it is **14.6766, 0.3643, 0.1882**.

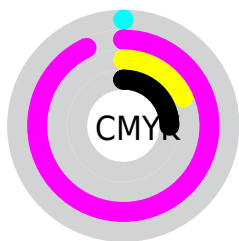
Distribution



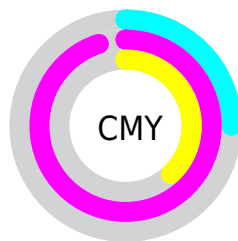
- Red (75%)
- Green (5%)
- Blue (62%)



- Red (75%)
- Yellow (5%)
- Blue (62%)



- Cyan (0%)
- Magenta (93%)
- Yellow (18%)
- Black (25%)




- Cyan (25%)
- Magenta (95%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7985, 0.3714, 0.1849 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 13.7985, 0.3714, 0.1849 by changing the saturation by 10% instead.


 13.7985, 0.3714,
0.1849


 13.7985, 0.3714,
0.1849


215.9737, 0.3412,
0.2602

 7.9807, 0.3789,
0.1657


 32.7311, 0.3604,
0.2128


 4.0826, 0.3882,
0.1411


 46.6146, 0.3563,
0.2231

 1.7199, 0.4000,
0.1093


 63.9554, 0.3528,
0.2318

 0.4365, 0.4181,
0.0595

 85.1380, 0.3498,
0.2392

 0.0000, 0.4368,
0.0000

 110.5467, 0.3472,
0.2455

 0.0000, 0.2865,
0.0000

 140.5660, 0.3450,

 0.0000, 0.0000,

0.2511

0.0000

175.5802, 0.3430,
0.2559

■ 13.7985, 0.3714,
0.1849

■ 13.7985, 0.3714,
0.1849

■ 13.4270, 0.3761,
0.1846

■ 14.6766, 0.3643,
0.1882

■ 16.1539, 0.3569,
0.1960

■ 18.3210, 0.3494,
0.2081

■ 21.2528, 0.3422,
0.2238

■ 25.0142, 0.3354,
0.2420

■ 29.6634, 0.3290,
0.2618

■ 35.2533, 0.3234,
0.2824

■ 41.8325, 0.3183,
0.3029

■ 49.4465, 0.3140,
0.3228

Harmonies

Analogous

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



13.7985, 0.2206, 0.1395



13.7985, 0.3714, 0.1849



13.7985, 0.5386, 0.2546

Triad

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



13.7985, 0.3714, 0.1849



13.7985, 0.4589, 0.5411



13.7985, 0.0846, 0.2077

Complementary

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



13.7985, 0.3714, 0.1849



37.5506, 0.2935, 0.5709

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.



13.7985, 0.1161, 0.3649



13.7985, 0.3714, 0.1849



13.7985, 0.3264, 0.6344

Square

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



13.7985, 0.3714, 0.1849



13.7985, 0.5690, 0.4255



13.7985, 0.2033, 0.5810



13.7985, 0.0914, 0.1414

Rectangle

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



13.7985, 0.3714, 0.1849



13.7985, 0.6020, 0.3060



13.7985, 0.2033, 0.5810



13.7985, 0.0900, 0.2478

Sweetspot

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



13.7992, 0.3714, 0.1849



57.6633, 0.3263, 0.2715



4.6222, 0.1642, 0.0712



11.7421, 0.3288, 0.2626



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.7992, 0.3714, 0.1849



24.0145, 0.3771, 0.1851



11.7984, 0.5502, 0.2858



9.6642, 0.3166, 0.3106



8.8358, 0.3752, 0.1841



0.3543, 0.3600, 0.1757

Inverse Universe

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



13.7992, 0.3714, 0.1849



24.0145, 0.3771, 0.1851



39.0845, 0.2534, 0.4279



9.6642, 0.3166, 0.3106



8.8358, 0.3752, 0.1841



0.3543, 0.3600, 0.1757

Previews

White Background



This preview shows how the Yxy color 13.7985, 0.3714, 0.1849 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 13.7985, 0.3714, 0.1849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

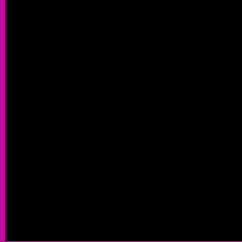
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7985, 0.3714, 0.1849

Background



This preview shows how black text looks on a background with the Yxy color 13.7985, 0.3714, 0.1849.



This preview shows how white text looks on a background with the Yxy color 13.7985, 0.3714, 0.1849.

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

13.7985, 0.3714, 0.1849

Protanopia

14.4606, 0.1741, 0.1469

Deuteranopia

14.2314, 0.2490, 0.2439



Tritanopia

14.0156, 0.5185, 0.3260

Trichromacy



Original Color

13.7985, 0.3714, 0.1849



Protanomaly

9.5857, 0.1887, 0.1248



Deuteranomaly

11.2529, 0.2840, 0.1926



Tritanomaly

13.2167, 0.4709, 0.2655

Monochromacy



Original Color

13.7985, 0.3714, 0.1849



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.2895, 0.3399, 0.2281

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7985, 0.3714, 0.1849 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(191, 13, 157)` looks like.

```
.text, #text, p{  
  color:rgb(191, 13, 157)  
}
```

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(191, 13, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 13, 157) }
```

Border

The CSS property to change the border of an element to Yxy 13.7985, 0.3714, 0.1849 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(191, 13, 157) }
```

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

```
.border{ border-color:rgb(191, 13, 157) }
```

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

Here you see how a box with a 4 pixel rgb(191, 13, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 13, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 13, 157);  
box-shadow:4px 4px 4px 4px rgb(191, 13,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7985, 0.3714, 0.1849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 13, 157) }
```

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

```
.background{ background-color: rgb(191, 13,  
157) }
```

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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