

Converting Colors

$Yxy(13.8456, 0.3412, 0.1653)$

Have a look what the booklet for
Yxy(13.8456, 0.3412, 0.1653)
contains.

Yxy(13.8748, 0.3419, 0.1657)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.8748, 0.3419, 0.1657)

Conversions

Conversions Part 1

Format	Color
Hex	BD00AE
RGB	189, 0, 174
RGB Percent	74%, 0%, 68%
CMY	0.2588, 1.0000, 0.3175
CMYK	0.00, 1.00, 0.08, 0.26
HSL	305°, 100%, 37%
HSV	305°, 100%, 74%
XYZ	28.6288, 13.8748, 41.2308
YIQ	76.3470, 56.7900, 94.1820

Conversions

Conversions Part 2

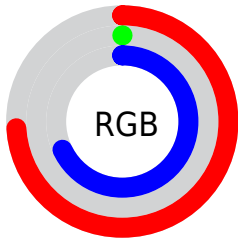
Format	Color
RYB	189, 0, 174
Decimal	12386478
CIELab	44.05, 76.32, -41.15
CIElCh	44, 86.706, 331.664
Yxy	13.8748, 0.3419, 0.1657
Android (android.graphics.Color)	4290576558 (0xFFBD00AE)
YUV	76.3470, 48.1429, 98.7967
Hunter-Lab	37.2489, 72.0062, -39.5540

Details

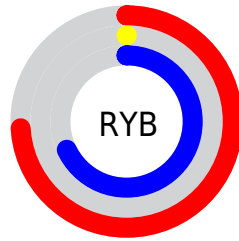
The Yxy color **13.8748, 0.3419, 0.1657** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **36.4298, 0.2986, 0.5949**, and the grayscale version is **7.1971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8324, 0.3386, 0.1956**, and **6.2058, 0.3405, 0.1649** is the 20% darker color. If you saturate the color by 10%, you get **13.8762, 0.3419, 0.1657**, and if you desaturate by 10%, it is **14.3973, 0.3393, 0.1684**.

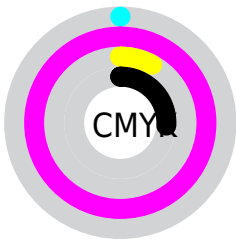
Distribution



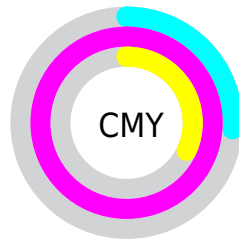
- Red (74%)
- Green (0%)
- Blue (68%)



- Red (74%)
- Yellow (0%)
- Blue (68%)



- Cyan (0%)
- Magenta (100%)
- Yellow (8%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8748, 0.3419, 0.1657 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 13.8748, 0.3419, 0.1657 by changing the saturation by 10% instead.


 13.8748, 0.3419,
0.1657


 13.8748, 0.3419,
0.1657


216.4506, 0.3301,
0.2485


 8.0336, 0.3435,
0.1457


 32.8667, 0.3385,
0.1956


 4.1165, 0.3444,
0.1208


 46.7863, 0.3370,
0.2069

 1.7389, 0.3435,
0.0901


 64.1674, 0.3355,
0.2165

 0.4487, 0.3401,
0.0466

 85.3945, 0.3342,
0.2248

 0.0000, 0.3235,
0.0000

 110.8520, 0.3330,
0.2319

 0.0000, 0.1623,
0.0000

 140.9242, 0.3320,

 0.0000, 0.0000,

0.2382

0.0000

175.9956, 0.3310,
0.2436

■ 13.8748, 0.3419,
0.1657

■ 13.8748, 0.3419,
0.1657

■ 13.8762, 0.3419,
0.1657

■ 14.3973, 0.3393,
0.1684

■ 15.3678, 0.3365,
0.1746

■ 16.9510, 0.3335,
0.1852

■ 19.2290, 0.3303,
0.1998

■ 22.2710, 0.3270,
0.2179

■ 26.1382, 0.3238,
0.2385

■ 30.8852, 0.3207,
0.2607

■ 36.5622, 0.3178,
0.2837

■ 43.2155, 0.3151,
0.3067

Harmonies

Analogous

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



13.8748, 0.1928, 0.1248



13.8748, 0.3419, 0.1657



13.8748, 0.5292, 0.2341

Triad

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



13.8748, 0.3419, 0.1657



13.8748, 0.4800, 0.5200



13.8748, 0.0756, 0.2176

Complementary

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



13.8748, 0.3419, 0.1657



36.4298, 0.2986, 0.5949

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.



13.8748, 0.1142, 0.4082



13.8748, 0.3419, 0.1657



13.8748, 0.3449, 0.6481

Square

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



13.8748, 0.3419, 0.1657



13.8748, 0.5967, 0.4033



13.8748, 0.2121, 0.6364



13.8748, 0.0777, 0.1375

Rectangle

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



13.8748, 0.3419, 0.1657



13.8748, 0.6119, 0.2855



13.8748, 0.2121, 0.6364



13.8748, 0.0827, 0.2664

Sweetspot

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



13.8762, 0.3419, 0.1657



54.8696, 0.3208, 0.2596



3.7567, 0.1520, 0.0611



10.9932, 0.3221, 0.2501



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



13.8762, 0.3419, 0.1657



24.8354, 0.3423, 0.1659



11.4266, 0.5244, 0.2663



9.6829, 0.3149, 0.3081



9.3415, 0.3416, 0.1655



0.3698, 0.3361, 0.1625

Inverse Universe

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



13.8762, 0.3419, 0.1657



24.8354, 0.3423, 0.1659



37.4591, 0.2661, 0.4779



9.6829, 0.3149, 0.3081



9.3415, 0.3416, 0.1655



0.3698, 0.3361, 0.1625

Previews

White Background



This preview shows how the Yxy color 13.8748, 0.3419, 0.1657 looks on a white background.

Color Contrast Check

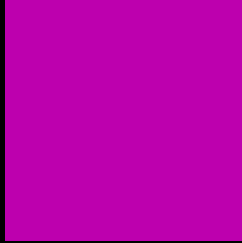
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8748, 0.3419, 0.1657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

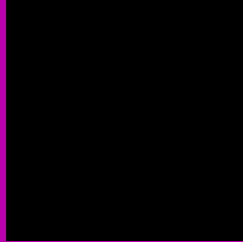
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8748, 0.3419, 0.1657

Background



This preview shows how black text looks on a background with the Yxy color 13.8748, 0.3419, 0.1657.



This preview shows how white text looks on a background with the Yxy color 13.8748, 0.3419, 0.1657.

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

13.8748, 0.3419, 0.1657

Protanopia

14.7102, 0.1743, 0.1476

Deuteranopia

14.5721, 0.2253, 0.2203



Tritanopia

14.1990, 0.4974, 0.3231

Trichromacy



Original Color

13.8748, 0.3419, 0.1657



Protanomaly

9.3787, 0.1854, 0.1164



Deuteranomaly

10.6559, 0.2537, 0.1643



Tritanomaly

12.9208, 0.4450, 0.2478

Monochromacy



Original Color

13.8748, 0.3419, 0.1657



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

7.0657, 0.3282, 0.2049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8748, 0.3419, 0.1657 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(189, 0, 174)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 174)  
}
```

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(189, 0, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 174) }
```

Border

The CSS property to change the border of an element to Yxy 13.8748, 0.3419, 0.1657 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(189, 0, 174) }
```

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

```
.border{ border-color:rgb(189, 0, 174) }
```

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

Here you see how a box with a 4 pixel rgb(189, 0, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 174);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8748, 0.3419, 0.1657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 174) }
```

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

```
.background{ background-color: rgb(189, 0,  
174) }
```

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