

Converting Colors

$Yxy(13.7445, 0.3451, 0.1675)$

Have a look what the booklet for
Yxy(13.7445, 0.3451, 0.1675)
contains.

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Color

Yxy(13.7974, 0.3450, 0.1674)

Conversions

Conversions Part 1

Format	Color
Hex	BD00AC
RGB	189, 0, 172
RGB Percent	74%, 0%, 67%
CMY	0.2587, 1.0000, 0.3255
CMYK	0.00, 1.00, 0.09, 0.26
HSL	305°, 100%, 37%
HSV	305°, 100%, 74%
XYZ	28.4355, 13.7974, 40.1888
YIQ	76.1190, 57.4320, 93.5600

Conversions

Conversions Part 2

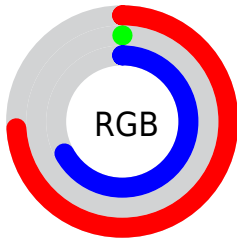
Format	Color
R _Y B	189, 0, 172
Decimal	12386476
CIE Lab	43.94, 76.04, -40.12
CIE LCh	44, 85.976, 332.185
Yxy	13.7974, 0.3450, 0.1674
Android (android.graphics.Color)	4290576556 (0xFFBD00AC)
YUV	76.1190, 47.2693, 98.9966
Hunter-Lab	37.1449, 71.6436, -38.1474

Details

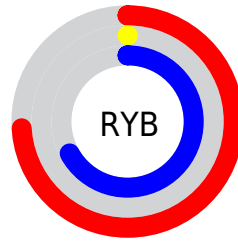
The Yxy color **13.7974, 0.3450, 0.1674** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **36.4447, 0.2983, 0.5940**, and the grayscale version is **7.1552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7206, 0.3407, 0.1971**, and **6.1572, 0.3447, 0.1672** is the 20% darker color. If you saturate the color by 10%, you get **13.7996, 0.3450, 0.1674**, and if you desaturate by 10%, it is **14.3279, 0.3420, 0.1700**.

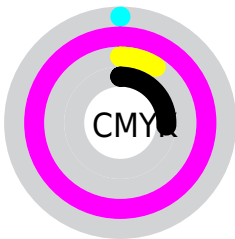
Distribution



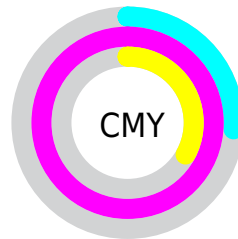
- Red (74%)
- Green (0%)
- Blue (67%)



- Red (74%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (26%)




- Cyan (26%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7974, 0.3450, 0.1674 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 13.7974, 0.3450, 0.1674 by changing the saturation by 10% instead.


 13.7974, 0.3450,
0.1674


 13.7974, 0.3450,
0.1674


215.9668, 0.3313,
0.2497


 7.9799, 0.3471,
0.1474


 32.7291, 0.3409,
0.1972


 4.0821, 0.3489,
0.1225


 46.6121, 0.3390,
0.2084

 1.7196, 0.3492,
0.0915


 63.9524, 0.3374,
0.2180

 0.4363, 0.3477,
0.0469

 85.1343, 0.3359,
0.2261

 0.0000, 0.3334,
0.0000

 110.5423, 0.3346,
0.2332

 0.0000, 0.1608,
0.0000

 140.5608, 0.3334,

 0.0000, 0.0000,

0.2394

0.0000

175.5742, 0.3323,
0.2448

■ 13.7974, 0.3450,
0.1674

■ 13.7974, 0.3450,
0.1674

■ 13.7996, 0.3450,
0.1674

■ 14.3279, 0.3420,
0.1700

■ 15.3059, 0.3389,
0.1761

■ 16.8970, 0.3354,
0.1865

■ 19.1832, 0.3318,
0.2010

■ 22.2339, 0.3282,
0.2189

■ 26.1100, 0.3247,
0.2394

■ 30.8664, 0.3213,
0.2615

■ 36.5532, 0.3181,
0.2842

■ 43.2169, 0.3153,
0.3069

Harmonies

Analogous

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



13.7974, 0.1953, 0.1260



13.7974, 0.3450, 0.1674



13.7974, 0.5307, 0.2360

Triad

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



13.7974, 0.3450, 0.1674



13.7974, 0.4777, 0.5223



13.7974, 0.0762, 0.2162

Complementary

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



13.7974, 0.3450, 0.1674



36.4447, 0.2983, 0.5940

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.



13.7974, 0.1140, 0.4035



13.7974, 0.3450, 0.1674



13.7974, 0.3427, 0.6474

Square

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



13.7974, 0.3450, 0.1674



13.7974, 0.5944, 0.4056



13.7974, 0.2110, 0.6316



13.7974, 0.0788, 0.1376

Rectangle

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



13.7974, 0.3450, 0.1674



13.7974, 0.6116, 0.2874



13.7974, 0.2110, 0.6316



13.7974, 0.0831, 0.2641

Sweetspot

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



13.7996, 0.3450, 0.1674



54.8223, 0.3214, 0.2604



3.7830, 0.1526, 0.0614



10.9817, 0.3228, 0.2510



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.



13.7996, 0.3450, 0.1674



24.6904, 0.3454, 0.1676



11.3825, 0.5314, 0.2701



9.6811, 0.3151, 0.3084



9.2884, 0.3447, 0.1672



0.3682, 0.3383, 0.1637

Inverse Universe

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



13.7996, 0.3450, 0.1674



24.6904, 0.3454, 0.1676



37.5356, 0.2644, 0.4720



9.6811, 0.3151, 0.3084



9.2884, 0.3447, 0.1672



0.3682, 0.3383, 0.1637

Previews

White Background



This preview shows how the Yxy color 13.7974, 0.3450, 0.1674 looks on a white background.

Color Contrast Check

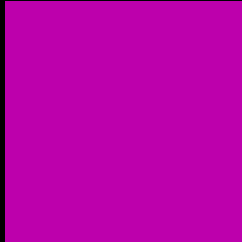
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7974, 0.3450, 0.1674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

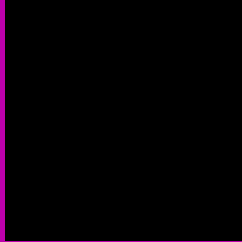
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7974, 0.3450, 0.1674

Background



This preview shows how black text looks on a background with the Yxy color 13.7974, 0.3450, 0.1674.



This preview shows how white text looks on a background with the Yxy color 13.7974, 0.3450, 0.1674.

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

13.7974, 0.3450, 0.1674

Deuteranopia

14.5790, 0.2268, 0.2219

Tritanopia

14.1858, 0.4991, 0.3244

Trichromacy



Original Color

13.7974, 0.3450, 0.1674

Deuteranomaly

10.6894, 0.2559, 0.1658

Tritanomaly

12.8777, 0.4491, 0.2504

Monochromacy



Original Color

13.7974, 0.3450, 0.1674

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.0435, 0.3302, 0.2065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7974, 0.3450, 0.1674 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 172) }
```

Border

The CSS property to change the border of an element to Yxy 13.7974, 0.3450, 0.1674 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, 172) }
```

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

```
.border{ border-color:rgb(189, 0, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 172);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
172) }
```

Background

The CSS property to change the background color of an element to Yxy 13.7974, 0.3450, 0.1674 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, 172) }
```

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

```
.background{ background-color: rgb(189, 0,  
172) }
```

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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