

Converting Colors

Yxy(13.2012, 0.3507, 0.1705)

Have a look what the booklet for
Yxy(13.2012, 0.3507, 0.1705)
contains.

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Color

Yxy(13.1923, 0.3500, 0.1702)

Conversions

Conversions Part 1	
Format	Color
Hex	BA00A6
RGB	186, 0, 166
RGB Percent	73%, 0%, 65%
CMY	0.2707, 0.9994, 0.3490
CMYK	0.00, 1.00, 0.11, 0.27
HSL	306°, 100%, 36%
HSV	306°, 100%, 73%
XYZ	27.1287, 13.1923, 37.1896
YIQ	74.5380, 57.5700, 91.0580

Conversions

Conversions Part 2

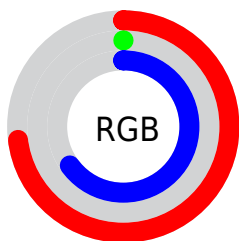
Format	Color
RYB	186, 0, 166
Decimal	12189862
CIELab	43.05, 74.67, -37.99
CIELCh	43, 83.781, 333.035
Yxy	13.1923, 0.3500, 0.1702
Android (android.graphics.Color)	4290379942 (0xFFBA00A6)
YUV	74.5380, 45.0908, 97.7522
Hunter-Lab	36.3212, 69.7615, -35.2827

Details

The Yxy color **13.1923, 0.3500, 0.1702** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **35.1621, 0.2979, 0.5923**, and the grayscale version is **6.8742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6831, 0.3442, 0.1997**, and **5.7814, 0.3518, 0.1712** is the 20% darker color. If you saturate the color by 10%, you get **13.1892, 0.3500, 0.1702**, and if you desaturate by 10%, it is **13.7209, 0.3464, 0.1726**.

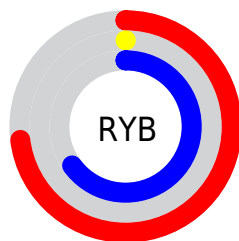
Distribution



Red (73%)

Green (0%)

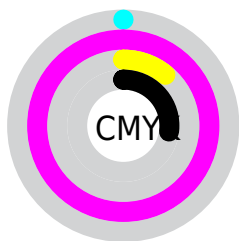
Blue (65%)



Red (73%)

Yellow (0%)

Blue (65%)

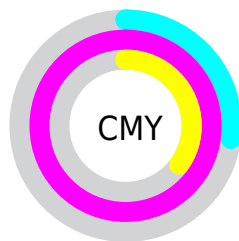


Cyan (0%)

Magenta (100%)

Yellow (11%)

Black (27%)



Cyan (27%)


Magenta (100%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1923, 0.3500, 0.1702 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 13.1923, 0.3500, 0.1702 by changing the saturation by 10% instead.


 13.1923, 0.3500,
0.1702


 13.1923, 0.3500,
0.1702


 212.1464, 0.3331,
0.2520


 7.5611, 0.3531,
0.1499


 31.6488, 0.3445,
0.2000


 3.8154, 0.3562,
0.1246


 45.2429, 0.3423,
0.2113


 1.5709, 0.3584,
0.0927


 62.2602, 0.3402,
0.2207

 0.3378, 0.3615,
0.0417

 83.0849, 0.3385,
0.2288

 0.0000, 0.3478,
0.0000

 108.1014, 0.3369,
0.2358

 0.0000, 0.0606,
0.0000


 137.6943, 0.3355,


 0.0000, 0.0000,


0.2419

0.0000

172.2478, 0.3342,
0.2472

 13.1923, 0.3500,
0.1702

 13.1923, 0.3500,
0.1702


 13.1892, 0.3500,
0.1702

 13.7209, 0.3464,
0.1726

 14.6835, 0.3426,
0.1786

 16.2379, 0.3385,
0.1889

 18.4627, 0.3343,
0.2032

 21.4243, 0.3301,
0.2210

■ 25.1814, 0.3261,
0.2412

■ 29.7865, 0.3222,
0.2629

■ 35.2878, 0.3187,
0.2853

■ 41.7299, 0.3155,
0.3075

Harmonies

Analogous

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



13.1923, 0.1996, 0.1280



13.1923, 0.3500, 0.1702



13.1923, 0.5331, 0.2391

Triad

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



13.1923, 0.3500, 0.1702



13.1923, 0.4741, 0.5259



13.1923, 0.0772, 0.2141

Complementary

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



13.1923, 0.3500, 0.1702



35.1621, 0.2979, 0.5923

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.



13.1923, 0.1139, 0.3960



13.1923, 0.3500, 0.1702



13.1923, 0.3396, 0.6467

Square

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



13.1923, 0.3500, 0.1702



13.1923, 0.5906, 0.4094



13.1923, 0.2091, 0.6236



13.1923, 0.0807, 0.1378

Rectangle

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



13.1923, 0.3500, 0.1702



13.1923, 0.6108, 0.2906



13.1923, 0.2091, 0.6236



13.1923, 0.0839, 0.2606

Sweetspot

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



13.1930, 0.3500, 0.1702



53.4773, 0.3225, 0.2616



3.6834, 0.1534, 0.0619



10.9634, 0.3241, 0.2523



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.



13.1930, 0.3500, 0.1702



23.8894, 0.3506, 0.1705



10.9410, 0.5377, 0.2736



9.1456, 0.3154, 0.3088



8.8819, 0.3496, 0.1700



0.3179, 0.3413, 0.1654

Inverse Universe

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



13.1930, 0.3500, 0.1702



23.8894, 0.3506, 0.1705



36.2731, 0.2627, 0.4657



9.1456, 0.3154, 0.3088



8.8819, 0.3496, 0.1700



0.3179, 0.3413, 0.1654

Previews

White Background



This preview shows how the Yxy color 13.1923, 0.3500, 0.1702 looks on a white background.

Color Contrast Check

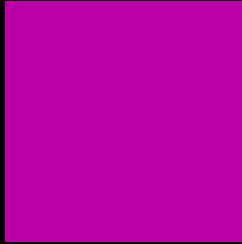
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1923, 0.3500, 0.1702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

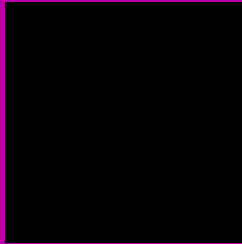
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1923, 0.3500, 0.1702

Background



This preview shows how black text looks on a background with the Yxy color 13.1923, 0.3500, 0.1702.



This preview shows how white text looks on a background with the Yxy color 13.1923, 0.3500, 0.1702.

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

13.1923, 0.3500, 0.1702

Protanopia

13.9184, 0.1739, 0.1461

Deuteranopia

13.8063, 0.2308, 0.2251



Tritanopia

13.5574, 0.5048, 0.3244

Trichromacy



Original Color

13.1923, 0.3500, 0.1702



Protanomaly

8.8813, 0.1860, 0.1165



Deuteranomaly

10.3564, 0.2621, 0.1707



Tritanomaly

12.2887, 0.4540, 0.2523

Monochromacy



Original Color

13.1923, 0.3500, 0.1702



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

6.8415, 0.3322, 0.2098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1923, 0.3500, 0.1702 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(186, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 166)  
}
```

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(186, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 166) }
```

Border

The CSS property to change the border of an element to Yxy 13.1923, 0.3500, 0.1702 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(186, 0, 166) }
```

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

```
.border{ border-color:rgb(186, 0, 166) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1923, 0.3500, 0.1702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 166) }
```

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

```
.background{ background-color: rgb(186, 0,  
166) }
```

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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