

Converting Colors

$Y_{xy}(13.3921, 0.3473, 0.1713)$

Have a look what the booklet for
Yxy(13.3921, 0.3473, 0.1713)
contains.

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Color

Yxy(13.3673, 0.3468, 0.1710)

Conversions

Conversions Part 1

Format	Color
Hex	B90CA7
RGB	185, 12, 167
RGB Percent	73%, 5%, 65%
CMY	0.2745, 0.9524, 0.3452
CMYK	0.00, 0.93, 0.10, 0.27
HSL	306°, 88%, 39%
HSV	306°, 93%, 73%
XYZ	27.1098, 13.3673, 37.6942
YIQ	81.3970, 53.3530, 84.8810

Conversions

Conversions Part 2

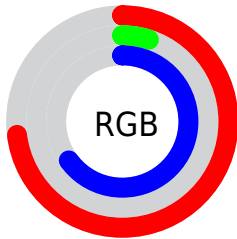
Format	Color
R _Y B	185, 12, 167
Decimal	12127399
CIE Lab	43.31, 73.48, -38.17
CIE LCh	43, 82.799, 332.548
Yxy	13.3673, 0.3468, 0.1710
Android (android.graphics.Color)	4290317479 (0xFFB90CA7)
YUV	81.3970, 42.2023, 90.8598
Hunter-Lab	36.5613, 68.3735, -35.5343

Details

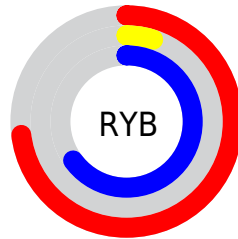
The Yxy color **13.3673, 0.3468, 0.1710** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **34.8676, 0.2974, 0.5847**, and the grayscale version is **8.2322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0525, 0.3419, 0.2006**, and **5.7269, 0.3476, 0.1688** is the 20% darker color. If you saturate the color by 10%, you get **13.0554, 0.3491, 0.1697**, and if you desaturate by 10%, it is **14.1344, 0.3432, 0.1755**.

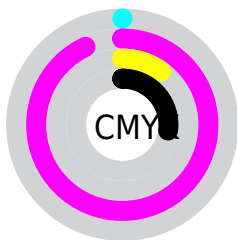
Distribution



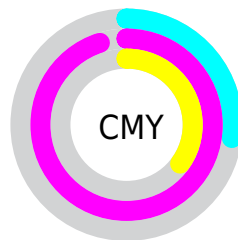
- Red (73%)
- Green (5%)
- Blue (65%)



- Red (73%)
- Yellow (5%)
- Blue (65%)



- Cyan (0%)
- Magenta (93%)
- Yellow (10%)
- Black (27%)




- Cyan (27%)
- Magenta (95%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3673, 0.3468, 0.1710 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 13.3673, 0.3468, 0.1710 by changing the saturation by 10% instead.


 13.3673, 0.3468,
0.1710


 13.3673, 0.3468,
0.1710


213.2584, 0.3317,
0.2523


 7.6820, 0.3494,
0.1509


 31.9621, 0.3420,
0.2007


 3.8921, 0.3518,
0.1256


 45.6403, 0.3400,
0.2118


 1.6134, 0.3531,
0.0939


 62.7517, 0.3382,
0.2212

 0.3666, 0.3543,
0.0444

 83.6805, 0.3366,
0.2293

 0.0000, 0.3394,
0.0000

 108.8112, 0.3352,
0.2362

 0.0000, 0.0542,
0.0000

 138.5281, 0.3339,

 0.0000, 0.0000,

0.2423

0.0000

173.2157, 0.3327,
0.2476

■ 13.3673, 0.3468,
0.1710

■ 13.3673, 0.3468,
0.1710

■ 13.0554, 0.3491,
0.1697

■ 14.1344, 0.3432,
0.1755

■ 15.4538, 0.3393,
0.1844

■ 17.4097, 0.3353,
0.1974

■ 20.0711, 0.3312,
0.2141

■ 23.4984, 0.3272,
0.2336

■ 27.7454, 0.3233,
0.2549

■ 32.8609, 0.3198,
0.2772

■ 38.8902, 0.3165,
0.2997

■ 45.8752, 0.3136,
0.3216

Harmonies

Analogous

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



13.3673, 0.1992, 0.1294



13.3673, 0.3468, 0.1710



13.3673, 0.5273, 0.2393

Triad

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



13.3673, 0.3468, 0.1710



13.3673, 0.4764, 0.5236



13.3673, 0.0796, 0.2180

Complementary

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



13.3673, 0.3468, 0.1710



34.8676, 0.2974, 0.5847

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.



13.3673, 0.1174, 0.3992



13.3673, 0.3468, 0.1710



13.3673, 0.3429, 0.6407

Square

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



13.3673, 0.3468, 0.1710



13.3673, 0.5891, 0.4083



13.3673, 0.2134, 0.6204



13.3673, 0.0823, 0.1406

Rectangle

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



13.3673, 0.3468, 0.1710



13.3673, 0.6056, 0.2906



13.3673, 0.2134, 0.6204



13.3673, 0.0866, 0.2647

Sweetspot

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



13.3680, 0.3468, 0.1710



54.0668, 0.3215, 0.2660



4.0357, 0.1578, 0.0677



10.8406, 0.3231, 0.2564



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



13.3680, 0.3468, 0.1710



23.3641, 0.3496, 0.1699



11.1774, 0.5192, 0.2683



9.1462, 0.3153, 0.3088



8.8969, 0.3487, 0.1694



0.3183, 0.3406, 0.1650

Inverse Universe

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



13.3680, 0.3468, 0.1710



23.3641, 0.3496, 0.1699



36.0305, 0.2613, 0.4560



9.1462, 0.3153, 0.3088



8.8969, 0.3487, 0.1694



0.3183, 0.3406, 0.1650

Previews

White Background



This preview shows how the Yxy color 13.3673, 0.3468, 0.1710 looks on a white background.

Color Contrast Check

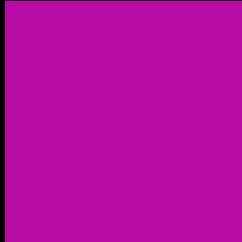
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3673, 0.3468, 0.1710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

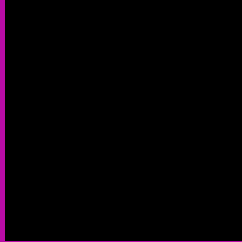
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3673, 0.3468, 0.1710

Background



This preview shows how black text looks on a background with the Yxy color 13.3673, 0.3468, 0.1710.



This preview shows how white text looks on a background with the Yxy color 13.3673, 0.3468, 0.1710.

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

13.3673, 0.3468, 0.1710

Protanopia

13.9184, 0.1739, 0.1461

Deuteranopia

13.7971, 0.2292, 0.2234



Tritanopia

13.5687, 0.5010, 0.3243

Trichromacy



Original Color

13.3673, 0.3468, 0.1710



Protanomaly

9.3131, 0.1865, 0.1211



Deuteranomaly

10.8051, 0.2602, 0.1747



Tritanomaly

12.5576, 0.4486, 0.2547

Monochromacy



Original Color

13.3673, 0.3468, 0.1710



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

7.9201, 0.3310, 0.2194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3673, 0.3468, 0.1710 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(185, 12, 167)` looks like.

```
.text, #text, p{  
    color:rgb(185, 12, 167)  
}
```

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(185, 12, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 12, 167) }
```

Border

The CSS property to change the border of an element to Yxy 13.3673, 0.3468, 0.1710 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(185, 12, 167) }
```

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

```
.border{ border-color:rgb(185, 12, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 12, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 12, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 12, 167);  
box-shadow:4px 4px 4px 4px rgb(185, 12,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3673, 0.3468, 0.1710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 12, 167) }
```

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

```
.background{ background-color: rgb(185, 12,  
167) }
```

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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