

Converting Colors

$Yxy(13.2905, 0.3649, 0.1784)$

Have a look what the booklet for
Yxy(13.2905, 0.3649, 0.1784)
contains.

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Color

Yxy(13.3220, 0.3657, 0.1788)

Conversions

Conversions Part 1

Format	Color
Hex	BD009F
RGB	189, 0, 159
RGB Percent	74%, 0%, 62%
CMY	0.2588, 1.0000, 0.3765
CMYK	0.00, 1.00, 0.16, 0.26
HSL	310°, 100%, 37%
HSV	310°, 100%, 74%
XYZ	27.2475, 13.3220, 33.9383
YIQ	74.6370, 61.6050, 89.5170

Conversions

Conversions Part 2

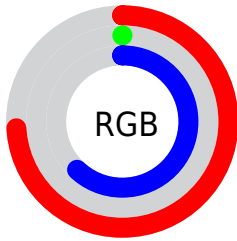
Format	Color
RYB	189, 0, 159
Decimal	12386463
CIELab	43.24, 74.32, -33.46
CIELCh	43, 81.505, 335.763
Yxy	13.3220, 0.3657, 0.1788
Android (android.graphics.Color)	4290576543 (0xFFBD009F)
YUV	74.6370, 41.5910, 100.2964
Hunter-Lab	36.4993, 69.3802, -29.5804

Details

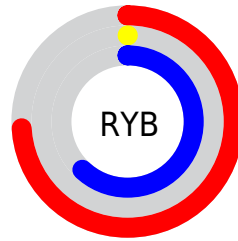
The Yxy color **13.3220, 0.3657, 0.1788** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **36.4961, 0.2962, 0.5864**, and the grayscale version is **6.8844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8112, 0.3562, 0.2075**, and **5.8868, 0.3718, 0.1822** is the 20% darker color. If you saturate the color by 10%, you get **13.3243, 0.3657, 0.1788**, and if you desaturate by 10%, it is **13.8922, 0.3601, 0.1803**.

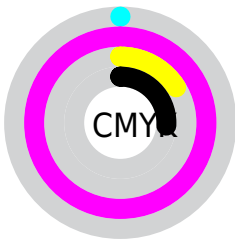
Distribution



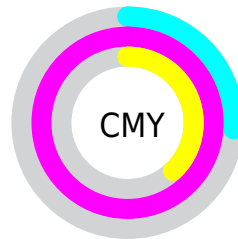
- Red (74%)
- Green (0%)
- Blue (62%)



- Red (74%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (16%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3220, 0.3657, 0.1788 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 13.3220, 0.3657, 0.1788 by changing the saturation by 10% instead.


 13.3220, 0.3657,
0.1788


 13.3220, 0.3657,
0.1788


212.9711, 0.3391,
0.2570

 7.6507, 0.3719,
0.1590


 31.8811, 0.3562,
0.2076


 3.8722, 0.3795,
0.1339


 45.5376, 0.3526,
0.2184

 1.6023, 0.3883,
0.1017


 62.6246, 0.3495,
0.2274

 0.3592, 0.4027,
0.0489

 83.5265, 0.3468,
0.2351

 0.0000, 0.4082,
0.0000

 108.6277, 0.3445,
0.2417

 0.0000, 0.1382,
0.0000

 138.3127, 0.3425,

 0.0000, 0.0000,

0.2475

0.0000

172.9657, 0.3407,
0.2526

■ 13.3220, 0.3657,
0.1788

■ 13.3220, 0.3657,
0.1788

■ 13.3243, 0.3657,
0.1788

■ 13.8922, 0.3601,
0.1803

■ 14.9115, 0.3543,
0.1856

■ 16.5456, 0.3482,
0.1952

■ 18.8764, 0.3421,
0.2090

■ 21.9734, 0.3361,
0.2260

■ 25.8977, 0.3305,
0.2454

■ 30.7039, 0.3253,
0.2662

■ 36.4423, 0.3206,
0.2874

■ 43.1593, 0.3164,
0.3086

Harmonies

Analogous

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



13.3220, 0.2129, 0.1341



13.3220, 0.3657, 0.1788



13.3220, 0.5406, 0.2487

Triad

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



13.3220, 0.3657, 0.1788



13.3220, 0.4629, 0.5371



13.3220, 0.0802, 0.2075

Complementary

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



13.3220, 0.3657, 0.1788



36.4961, 0.2962, 0.5864

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.



13.3220, 0.1130, 0.3739



13.3220, 0.3657, 0.1788



13.3220, 0.3288, 0.6427

Square

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



13.3220, 0.3657, 0.1788



13.3220, 0.5787, 0.4208



13.3220, 0.2028, 0.5989



13.3220, 0.0862, 0.1382

Rectangle

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



13.3220, 0.3657, 0.1788



13.3220, 0.6088, 0.3001



13.3220, 0.2028, 0.5989



13.3220, 0.0859, 0.2498

Sweetspot

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



13.3243, 0.3657, 0.1788



54.5297, 0.3255, 0.2651



3.9267, 0.1560, 0.0633



10.9106, 0.3277, 0.2563



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.



13.3243, 0.3657, 0.1788



23.8294, 0.3665, 0.1793



11.2161, 0.5581, 0.2848



9.6695, 0.3161, 0.3099



8.9726, 0.3650, 0.1785



0.3586, 0.3528, 0.1717

Inverse Universe

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



13.3243, 0.3657, 0.1788



23.8294, 0.3665, 0.1793



37.8289, 0.2578, 0.4480



9.6695, 0.3161, 0.3099



8.9726, 0.3650, 0.1785



0.3586, 0.3528, 0.1717

Previews

White Background



This preview shows how the Yxy color 13.3220, 0.3657, 0.1788 looks on a white background.

Color Contrast Check

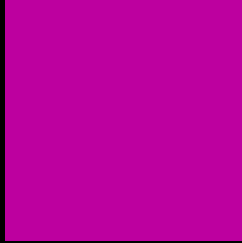
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3220, 0.3657, 0.1788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

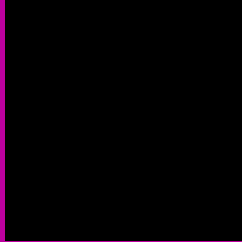
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3220, 0.3657, 0.1788

Background



This preview shows how black text looks on a background with the Yxy color 13.3220, 0.3657, 0.1788.



This preview shows how white text looks on a background with the Yxy color 13.3220, 0.3657, 0.1788.

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

13.3220, 0.3657, 0.1788

Protanopia

14.1624, 0.1741, 0.1469

Deuteranopia

13.9451, 0.2440, 0.2379



Tritanopia

13.7721, 0.5164, 0.3260

Trichromacy



Original Color

13.3220, 0.3657, 0.1788



Protanomaly

8.8270, 0.1874, 0.1179



Deuteranomaly

10.5563, 0.2784, 0.1819



Tritanomaly

12.6280, 0.4683, 0.2591

Monochromacy



Original Color

13.3220, 0.3657, 0.1788



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

6.8675, 0.3382, 0.2138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3220, 0.3657, 0.1788 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 159) }
```

Border

The CSS property to change the border of an element to Yxy 13.3220, 0.3657, 0.1788 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, 159) }
```

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

```
.border{ border-color:rgb(189, 0, 159) }
```

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, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 159);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3220, 0.3657, 0.1788 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, 159) }
```

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

```
.background{ background-color: rgb(189, 0,  
159) }
```

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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