

Converting Colors

$Yxy(13.3159, 0.3637, 0.1777)$

Have a look what the booklet for
Yxy(13.3159, 0.3637, 0.1777)
contains.

Yxy(13.3569, 0.3640, 0.1779)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.3569, 0.3640, 0.1779)

Conversions

Conversions Part 1

Format	Color
Hex	BD00A0
RGB	189, 0, 160
RGB Percent	74%, 0%, 63%
CMY	0.2589, 0.9996, 0.3726
CMYK	0.00, 1.00, 0.15, 0.26
HSL	309°, 100%, 37%
HSV	309°, 100%, 74%
XYZ	27.3295, 13.3569, 34.3946
YIQ	74.7510, 61.2840, 89.8280

Conversions

Conversions Part 2

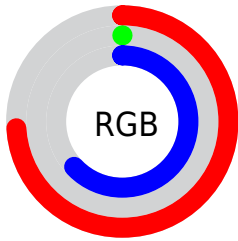
Format	Color
RYB	189, 0, 160
Decimal	12386464
CIELab	43.30, 74.43, -33.97
CIELCh	43, 81.816, 335.465
Yxy	13.3569, 0.3640, 0.1779
Android (android.graphics.Color)	4290576544 (0xFFBD00A0)
YUV	74.7510, 42.0278, 100.1964
Hunter-Lab	36.5471, 69.5227, -30.2150

Details

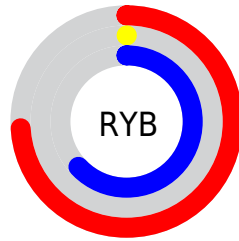
The Yxy color **13.3569, 0.3640, 0.1779** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **36.4809, 0.2964, 0.5871**, and the grayscale version is **6.9134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8624, 0.3551, 0.2067**, and **5.9080, 0.3694, 0.1809** is the 20% darker color. If you saturate the color by 10%, you get **13.3551, 0.3640, 0.1779**, and if you desaturate by 10%, it is **13.9237, 0.3586, 0.1795**.

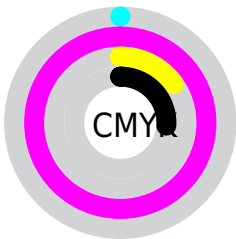
Distribution



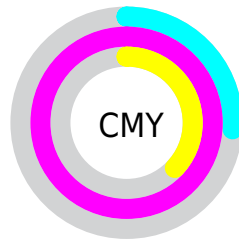
- Red (74%)
- Green (0%)
- Blue (63%)



- Red (74%)
- Yellow (0%)
- Blue (63%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3569, 0.3640, 0.1779 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 13.3569, 0.3640, 0.1779 by changing the saturation by 10% instead.


 13.3569, 0.3640,
0.1779


 13.3569, 0.3640,
0.1779


213.1925, 0.3385,
0.2565

 7.6748, 0.3699,
0.1581


 31.9435, 0.3550,
0.2068


 3.8876, 0.3769,
0.1330


 45.6167, 0.3515,
0.2176


 1.6109, 0.3850,
0.1009


 62.7225, 0.3485,
0.2267

 0.3649, 0.3979,
0.0488

 83.6451, 0.3459,
0.2344

 0.0000, 0.4015,
0.0000

 108.7691, 0.3437,
0.2411

 0.0000, 0.1408,
0.0000

 138.4787, 0.3418,

 0.0000, 0.0000,

0.2469

0.0000

173.1583, 0.3400,
0.2520

■ 13.3569, 0.3640,
0.1779

■ 13.3569, 0.3640,
0.1779

■ 13.3551, 0.3640,
0.1779

■ 13.9237, 0.3586,
0.1795

■ 14.9425, 0.3530,
0.1848

■ 16.5762, 0.3472,
0.1946

■ 18.9066, 0.3413,
0.2084

■ 22.0031, 0.3355,
0.2255

■ 25.9266, 0.3300,
0.2450

■ 30.7320, 0.3249,
0.2659

■ 36.4692, 0.3203,
0.2873

■ 43.1848, 0.3163,
0.3085

Harmonies

Analogous

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



13.3569, 0.2115, 0.1335



13.3569, 0.3640, 0.1779



13.3569, 0.5398, 0.2477

Triad

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



13.3569, 0.3640, 0.1779



13.3569, 0.4641, 0.5359



13.3569, 0.0800, 0.2082

Complementary

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



13.3569, 0.3640, 0.1779



36.4809, 0.2964, 0.5871

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.



13.3569, 0.1131, 0.3762



13.3569, 0.3640, 0.1779



13.3569, 0.3300, 0.6431

Square

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



13.3569, 0.3640, 0.1779



13.3569, 0.5799, 0.4196



13.3569, 0.2036, 0.6015



13.3569, 0.0856, 0.1382

Rectangle

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



13.3569, 0.3640, 0.1779



13.3569, 0.6089, 0.2991



13.3569, 0.2036, 0.6015



13.3569, 0.0857, 0.2509

Sweetspot

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



13.3576, 0.3640, 0.1779



54.5520, 0.3252, 0.2648



3.9286, 0.1561, 0.0634



10.9160, 0.3273, 0.2559



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.



13.3576, 0.3640, 0.1779



23.8927, 0.3648, 0.1783



11.2153, 0.5580, 0.2848



9.6704, 0.3160, 0.3098



8.9959, 0.3634, 0.1775



0.3593, 0.3517, 0.1711

Inverse Universe

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



13.3576, 0.3640, 0.1779



23.8927, 0.3648, 0.1783



37.8187, 0.2578, 0.4479



9.6704, 0.3160, 0.3098



8.9959, 0.3634, 0.1775



0.3593, 0.3517, 0.1711

Previews

White Background



This preview shows how the Yxy color 13.3569, 0.3640, 0.1779 looks on a white background.

Color Contrast Check

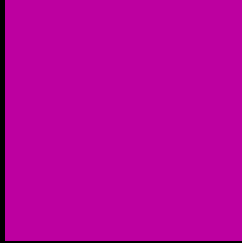
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3569, 0.3640, 0.1779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

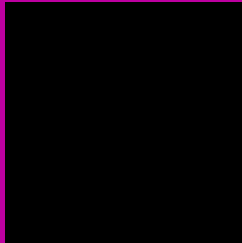
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3569, 0.3640, 0.1779

Background



This preview shows how black text looks on a background with the Yxy color 13.3569, 0.3640, 0.1779.



This preview shows how white text looks on a background with the Yxy color 13.3569, 0.3640, 0.1779.

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

13.3569, 0.3640, 0.1779

Protanopia

14.1624, 0.1741, 0.1469

Deuteranopia

14.1289, 0.2424, 0.2381



Tritanopia

13.7840, 0.5146, 0.3247

Trichromacy



Original Color

13.3569, 0.3640, 0.1779



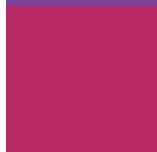
Protanomaly

8.8270, 0.1874, 0.1179



Deuteranomaly

10.5146, 0.2758, 0.1802



Tritanomaly

12.6475, 0.4662, 0.2577

Monochromacy



Original Color

13.3569, 0.3640, 0.1779



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 13.3569, 0.3640, 0.1779 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 160) }
```

Border

The CSS property to change the border of an element to Yxy 13.3569, 0.3640, 0.1779 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, 160) }
```

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

```
.border{ border-color:rgb(189, 0, 160) }
```

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, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 160);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3569, 0.3640, 0.1779 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, 160) }
```

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

```
.background{ background-color: rgb(189, 0,  
160) }
```

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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