

Converting Colors

$Y_{xy}(14.1783, 0.3287, 0.1608)$

Have a look what the booklet for
Yxy(14.1783, 0.3287, 0.1608)
contains.

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Color

Yxy(14.1639, 0.3290, 0.1609)

Conversions

Conversions Part 1

Format	Color
Hex	BB0CB5
RGB	187, 12, 181
RGB Percent	73%, 5%, 71%
CMY	0.2667, 0.9525, 0.2903
CMYK	0.00, 0.94, 0.03, 0.27
HSL	302°, 88%, 39%
HSV	302°, 94%, 73%
XYZ	28.9616, 14.1639, 44.9037
YIQ	83.5910, 50.0510, 89.6590

Conversions

Conversions Part 2

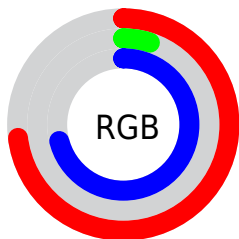
Format	Color
R _Y B	187, 12, 181
Decimal	12258485
CIE Lab	44.47, 75.82, -44.62
CIE LCh	44, 87.977, 329.527
Yxy	14.1639, 0.3290, 0.1609
Android (android.graphics.Color)	4290448565 (0xFFBB0CB5)
YUV	83.5910, 48.0226, 90.6897
Hunter-Lab	37.6350, 71.5017, -44.3967

Details

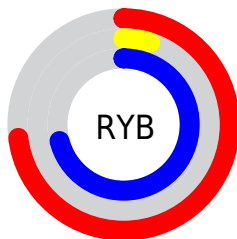
The Yxy color **14.1639, 0.3290, 0.1609** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **35.6622, 0.2995, 0.5923**, and the grayscale version is **8.6816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4294, 0.3282, 0.1907**, and **6.1994, 0.3247, 0.1562** is the 20% darker color. If you saturate the color by 10%, you get **13.8819, 0.3297, 0.1590**, and if you desaturate by 10%, it is **14.8954, 0.3277, 0.1662**.

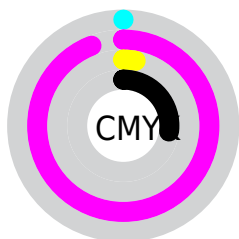
Distribution



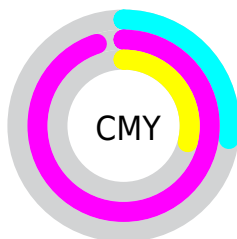
- Red (73%)
- Green (5%)
- Blue (71%)



- Red (73%)
- Yellow (5%)
- Blue (71%)



- Cyan (0%)
- Magenta (94%)
- Yellow (3%)
- Black (27%)





- Cyan (27%)
- Magenta (95%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.1639, 0.3290, 0.1609 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 14.1639, 0.3290, 0.1609 by changing the saturation by 10% instead.


 14.1639, 0.3290,
0.1609


 14.1639, 0.3290,
0.1609


218.2481, 0.3248,
0.2453


 8.2347, 0.3283,
0.1408


 33.3796, 0.3287,
0.1911


 4.2455, 0.3262,
0.1162


 47.4349, 0.3282,
0.2026

 1.8118, 0.3211,
0.0861


 64.9677, 0.3276,
0.2124

 0.4945, 0.3110,
0.0458

 86.3624, 0.3270,
0.2209

 0.0000, 0.2866,
0.0000

 112.0034, 0.3264,
0.2282

 0.0000, 0.1452,
0.0000

 142.2751, 0.3259,

 0.0000, 0.0000,

0.2346

0.0000

177.5618, 0.3253,
0.2402

■ 14.1639, 0.3290,
0.1609

■ 14.1639, 0.3290,
0.1609

■ 13.8819, 0.3297,
0.1590

■ 14.8954, 0.3277,
0.1662

■ 16.1914, 0.3262,
0.1756

■ 18.1381, 0.3245,
0.1892

■ 20.8068, 0.3227,
0.2066

■ 24.2596, 0.3208,
0.2270

■ 28.5516, 0.3188,
0.2495

■ 33.7333, 0.3169,
0.2732

■ 39.8509, 0.3150,
0.2972

■ 46.9476, 0.3133,
0.3209

Harmonies

Analogous

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



14.1639, 0.1842, 0.1221



14.1639, 0.3290, 0.1609



14.1639, 0.5185, 0.2280

Triad

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



14.1639, 0.3290, 0.1609



14.1639, 0.4894, 0.5106



14.1639, 0.0757, 0.2260

Complementary

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



14.1639, 0.3290, 0.1609



35.6622, 0.2995, 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.



14.1639, 0.1180, 0.4269



14.1639, 0.3290, 0.1609



14.1639, 0.3550, 0.6446

Square

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



14.1639, 0.3290, 0.1609



14.1639, 0.6033, 0.3951



14.1639, 0.2197, 0.6482



14.1639, 0.0757, 0.1398

Rectangle

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



14.1639, 0.3290, 0.1609



14.1639, 0.6081, 0.2794



14.1639, 0.2197, 0.6482



14.1639, 0.0838, 0.2781

Sweetspot

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



14.1646, 0.3290, 0.1609



55.6421, 0.3178, 0.2614



3.9812, 0.1542, 0.0657



11.3992, 0.3186, 0.2512



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.



14.1646, 0.3290, 0.1609



24.8559, 0.3299, 0.1591



11.6330, 0.4937, 0.2538



9.6904, 0.3143, 0.3072



9.5675, 0.3296, 0.1589



0.3766, 0.3274, 0.1577

Inverse Universe

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



14.1646, 0.3290, 0.1609



24.8559, 0.3299, 0.1591



36.6459, 0.2675, 0.4784



9.6904, 0.3143, 0.3072



9.5675, 0.3296, 0.1589



0.3766, 0.3274, 0.1577

Previews

White Background



This preview shows how the Yxy color 14.1639, 0.3290, 0.1609 looks on a white background.

Color Contrast Check

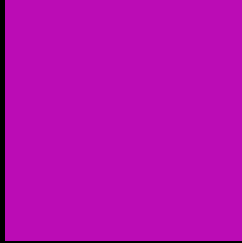
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.1639, 0.3290, 0.1609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

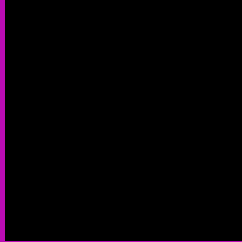
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.1639, 0.3290, 0.1609

Background



This preview shows how black text looks on a background with the Yxy color 14.1639, 0.3290, 0.1609.



This preview shows how white text looks on a background with the Yxy color 14.1639, 0.3290, 0.1609.

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

14.1639, 0.3290, 0.1609

Protanopia

14.7625, 0.1741, 0.1469

Deuteranopia

14.7198, 0.2153, 0.2108



Tritanopia

14.3866, 0.4849, 0.3241

Trichromacy



Original Color

14.1639, 0.3290, 0.1609



Protanomaly

10.0170, 0.1846, 0.1186



Deuteranomaly

11.2014, 0.2420, 0.1617



Tritanomaly

13.1994, 0.4303, 0.2469

Monochromacy



Original Color

14.1639, 0.3290, 0.1609



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

8.4230, 0.3217, 0.2129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.1639, 0.3290, 0.1609 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(187, 12, 181)` looks like.

```
.text, #text, p{  
    color:rgb(187, 12, 181)  
}
```

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(187, 12, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 12, 181) }
```

Border

The CSS property to change the border of an element to Yxy 14.1639, 0.3290, 0.1609 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(187, 12, 181) }
```

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

```
.border{ border-color:rgb(187, 12, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 12, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 12, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 12, 181);  
box-shadow:4px 4px 4px 4px rgb(187, 12,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 14.1639, 0.3290, 0.1609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 12, 181) }
```

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

```
.background{ background-color: rgb(187, 12,  
181) }
```

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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