

Converting Colors

$Y_{xy}(14.0890, 0.3408, 0.1651)$

Have a look what the booklet for
Yxy(14.0890, 0.3408, 0.1651)
contains.

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Color

Yxy(14.0817, 0.3404, 0.1649)

Conversions

Conversions Part 1

Format	Color
Hex	BE00B0
RGB	190, 0, 176
RGB Percent	75%, 0%, 69%
CMY	0.2549, 0.9996, 0.3099
CMYK	0.00, 1.00, 0.07, 0.25
HSL	304°, 100%, 37%
HSV	304°, 100%, 75%
XYZ	29.0686, 14.0817, 42.2451
YIQ	76.8740, 56.7440, 95.0160

Conversions

Conversions Part 2

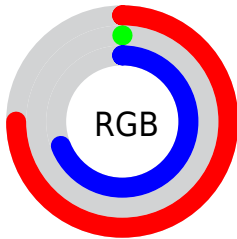
Format	Color
RYB	190, 0, 176
Decimal	12452016
CIELab	44.35, 76.74, -41.82
CIELCh	44, 87.398, 331.413
Yxy	14.0817, 0.3404, 0.1649
Android (android.graphics.Color)	4290642096 (0xFFBE00B0)
YUV	76.8740, 48.8691, 99.2115
Hunter-Lab	37.5256, 72.6023, -40.4789

Details

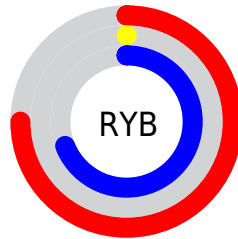
The Yxy color **14.0817, 0.3404, 0.1649** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **36.8583, 0.2987, 0.5953**, and the grayscale version is **7.3075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1296, 0.3375, 0.1945**, and **6.3356, 0.3383, 0.1637** is the 20% darker color. If you saturate the color by 10%, you get **14.0799, 0.3404, 0.1649**, and if you desaturate by 10%, it is **14.6052, 0.3380, 0.1677**.

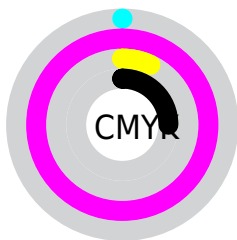
Distribution



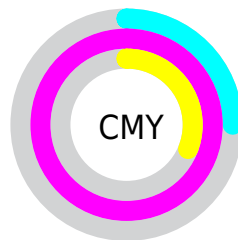
- Red (75%)
- Green (0%)
- Blue (69%)



- Red (75%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (7%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0817, 0.3404, 0.1649 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 14.0817, 0.3404, 0.1649 by changing the saturation by 10% instead.


 14.0817, 0.3404,
0.1649


 14.0817, 0.3404,
0.1649


217.7385, 0.3295,
0.2478


 8.1775, 0.3417,
0.1449


 33.2339, 0.3374,
0.1947


 4.2087, 0.3422,
0.1203


 47.2507, 0.3360,
0.2061


 1.7910, 0.3409,
0.0898


 64.7406, 0.3347,
0.2157

 0.4816, 0.3364,
0.0479

 86.0878, 0.3334,
0.2240

 0.0000, 0.3198,
0.0000

 111.6768, 0.3323,
0.2311

 0.0000, 0.1791,
0.0000

 141.8920, 0.3313,

 0.0000, 0.0000,

0.2374

0.0000

177.1178, 0.3304,
0.2429

■ 14.0817, 0.3404,
0.1649

■ 14.0817, 0.3404,
0.1649

■ 14.0799, 0.3404,
0.1649

■ 14.6052, 0.3380,
0.1677

■ 15.5851, 0.3354,
0.1740

■ 17.1856, 0.3325,
0.1846

■ 19.4896, 0.3295,
0.1993

■ 22.5675, 0.3264,
0.2174

■ 26.4809, 0.3233,
0.2381

■ 31.2853, 0.3203,
0.2605

■ 37.0316, 0.3176,
0.2836

■ 43.7665, 0.3150,
0.3067

Harmonies

Analogous

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



14.0817, 0.1915, 0.1242



14.0817, 0.3404, 0.1649



14.0817, 0.5284, 0.2332

Triad

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



14.0817, 0.3404, 0.1649



14.0817, 0.4811, 0.5189



14.0817, 0.0753, 0.2183

Complementary

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



14.0817, 0.3404, 0.1649



36.8583, 0.2987, 0.5953

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.



14.0817, 0.1143, 0.4105



14.0817, 0.3404, 0.1649



14.0817, 0.3458, 0.6482

Square

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



14.0817, 0.3404, 0.1649



14.0817, 0.5978, 0.4022



14.0817, 0.2127, 0.6386



14.0817, 0.0772, 0.1375

Rectangle

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



14.0817, 0.3404, 0.1649



14.0817, 0.6121, 0.2846



14.0817, 0.2127, 0.6386



14.0817, 0.0825, 0.2676

Sweetspot

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



14.0824, 0.3404, 0.1649



56.1836, 0.3205, 0.2592



3.8035, 0.1520, 0.0611



11.4848, 0.3217, 0.2496



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



14.0824, 0.3404, 0.1649



25.4995, 0.3407, 0.1651



11.5641, 0.5244, 0.2663



9.6838, 0.3149, 0.3080



9.3677, 0.3401, 0.1647



0.3706, 0.3351, 0.1619

Inverse Universe

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



14.0824, 0.3404, 0.1649



25.4995, 0.3407, 0.1651



37.9027, 0.2661, 0.4779



9.6838, 0.3149, 0.3080



9.3677, 0.3401, 0.1647



0.3706, 0.3351, 0.1619

Previews

White Background



This preview shows how the Yxy color 14.0817, 0.3404, 0.1649 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 14.0817, 0.3404, 0.1649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

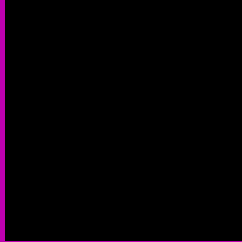
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.0817, 0.3404, 0.1649

Background



This preview shows how black text looks on a background with the Yxy color 14.0817, 0.3404, 0.1649.



This preview shows how white text looks on a background with the Yxy color 14.0817, 0.3404, 0.1649.

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

14.0817, 0.3404, 0.1649

Protanopia

14.8150, 0.1739, 0.1461

Deuteranopia

14.8098, 0.2236, 0.2191



Tritanopia

14.4406, 0.4976, 0.3244

Trichromacy



Original Color

14.0817, 0.3404, 0.1649



Protanomaly

9.4734, 0.1847, 0.1153



Deuteranomaly

10.8504, 0.2519, 0.1637



Tritanomaly

13.1175, 0.4460, 0.2492

Monochromacy



Original Color

14.0817, 0.3404, 0.1649



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.2404, 0.3281, 0.2057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0817, 0.3404, 0.1649 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(190, 0, 176)` looks like.

```
.text, #text, p{  
    color:rgb(190, 0, 176)  
}
```

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(190, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 176) }
```

Border

The CSS property to change the border of an element to Yxy 14.0817, 0.3404, 0.1649 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(190, 0, 176) }
```

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

```
.border{ border-color:rgb(190, 0, 176) }
```

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

Here you see how a box with a 4 pixel rgb(190, 0, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(190, 0,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 14.0817, 0.3404, 0.1649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 0, 176) }
```

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

```
.background{ background-color: rgb(190, 0,  
176) }
```

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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