

# Converting Colors

$Y_{xy}(12.4989, 0.3437, 0.1470)$

Have a look what the booklet for  
Yxy(12.4989, 0.3437, 0.1470)  
contains.

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**Color**

**Yxy(14.7240, 0.3414, 0.1654)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C200B3
RGB	194, 0, 179
RGB Percent	76%, 0%, 70%
CMY	0.2391, 1.0000, 0.2979
CMYK	0.00, 1.00, 0.08, 0.24
HSL	305°, 100%, 38%
HSV	305°, 100%, 76%
XYZ	30.3916, 14.7240, 43.9049
YIQ	78.4120, 58.1650, 96.7970

# Conversions

## Conversions Part 2

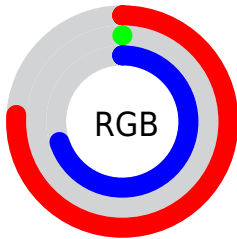
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 0, 179
Decimal	12714163
CIELab	45.25, 77.88, -42.15
CIELCh	45, 88.555, 331.579
Yxy	14.7240, 0.3414, 0.1654
Android (android.graphics.Color)	4290904243 (0xFFC200B3)
YUV	78.4120, 49.5899, 101.3707
Hunter-Lab	38.3719, 74.2264, -40.9791

# Details

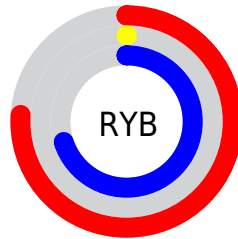
The Yxy color **14.7240, 0.3414, 0.1654** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **38.6283, 0.2987, 0.5952**, and the grayscale version is **7.5988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2137, 0.3383, 0.1947**, and **6.6573, 0.3379, 0.1635** is the 20% darker color. If you saturate the color by 10%, you get **14.7284, 0.3414, 0.1654**, and if you desaturate by 10%, it is **15.2689, 0.3389, 0.1681**.

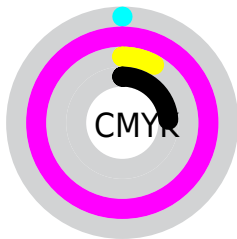
# Distribution



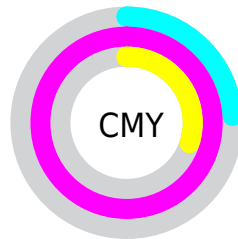
- Red (76%)
- Green (0%)
- Blue (70%)



- Red (76%)
- Yellow (0%)
- Blue (70%)



- Cyan (0%)
- Magenta (100%)
- Yellow (8%)
- Black (24%)




- Cyan (24%)
- Magenta (100%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 14.7240, 0.3414, 0.1654 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 14.7240, 0.3414, 0.1654 by changing the saturation by 10% instead.




 14.7240, 0.3414,  
0.1654

 14.7240, 0.3414,  
0.1654


 221.6895, 0.3300,  
0.2475


 8.6259, 0.3428,  
0.1458


 34.3683, 0.3382,  
0.1948


 4.4980, 0.3436,  
0.1216


 48.6832, 0.3367,  
0.2060

 1.9559, 0.3428,  
0.0918


 66.5059, 0.3353,  
0.2156

 0.5816, 0.3384,  
0.0532

 88.2208, 0.3341,  
0.2238

 0.0000, 0.3260,  
0.0000

 114.2122, 0.3329,  
0.2309

 0.0000, 0.2280,  
0.0000

 144.8645, 0.3319,

 0.0000, 0.0000,

0.2371

0.0000

180.5622, 0.3309,  
0.2426

■ 14.7240, 0.3414,  
0.1654

■ 14.7240, 0.3414,  
0.1654

■ 14.7284, 0.3414,  
0.1654

■ 15.2689, 0.3389,  
0.1681

■ 16.2893, 0.3361,  
0.1743

■ 17.9604, 0.3332,  
0.1848

■ 20.3698, 0.3300,  
0.1994

■ 23.5916, 0.3268,  
0.2175

■ 27.6908, 0.3236,  
0.2382

■ 32.7260, 0.3206,  
0.2605

■ 38.7506, 0.3177,  
0.2835

■ 45.8140, 0.3151,  
0.3066

# Harmonies

## Analogous

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



14.7240, 0.1923, 0.1245



14.7240, 0.3414, 0.1654



14.7240, 0.5290, 0.2338

# Triad

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



14.7240, 0.3414, 0.1654



14.7240, 0.4803, 0.5197



14.7240, 0.0754, 0.2178

# Complementary

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



14.7240, 0.3414, 0.1654



38.6283, 0.2987, 0.5952

# 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.



14.7240, 0.1142, 0.4090



14.7240, 0.3414, 0.1654



14.7240, 0.3447, 0.6474

# Square

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



14.7240, 0.3414, 0.1654



14.7240, 0.5970, 0.4028



14.7240, 0.2122, 0.6372



14.7240, 0.0775, 0.1375



# Rectangle

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



14.7240, 0.3414, 0.1654



14.7240, 0.6121, 0.2852



14.7240, 0.2122, 0.6372



14.7240, 0.0826, 0.2668

# Sweetspot

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



14.7284, 0.3414, 0.1654



58.8020, 0.3207, 0.2594



3.9812, 0.1520, 0.0611



11.9790, 0.3220, 0.2497



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



14.7284, 0.3414, 0.1654



26.6596, 0.3417, 0.1656



12.1137, 0.5249, 0.2665



10.2337, 0.3149, 0.3080



9.6864, 0.3411, 0.1653



0.4226, 0.3361, 0.1625



# Inverse Universe

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



14.7284, 0.3414, 0.1654



26.6596, 0.3417, 0.1656



39.7185, 0.2662, 0.4782



10.2337, 0.3149, 0.3080



9.6864, 0.3411, 0.1653



0.4226, 0.3361, 0.1625



# Previews

## White Background



This preview shows how the Yxy color 14.7240, 0.3414, 0.1654 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

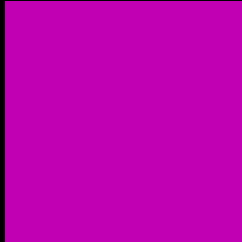
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 14.7240, 0.3414, 0.1654 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

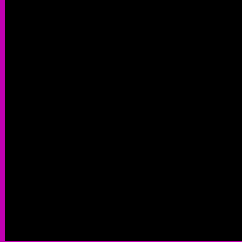
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 14.7240, 0.3414, 0.1654**

## **Background**



This preview shows how black text looks on a background with the Yxy color 14.7240, 0.3414, 0.1654.



This preview shows how white text looks on a background with the Yxy color 14.7240, 0.3414, 0.1654.

# 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

14.7240, 0.3414, 0.1654

### Protanopia

15.4309, 0.1739, 0.1461

### Deuteranopia

15.4267, 0.2239, 0.2192



## Tritanopia

15.0787, 0.4979, 0.3232

# Trichromacy



## Original Color

14.7240, 0.3414, 0.1654



## Protanomaly

9.8589, 0.1849, 0.1149



## Deuteranomaly

11.2997, 0.2529, 0.1636



## Tritanomaly

13.7604, 0.4451, 0.2484

# Monochromacy



## Original Color

14.7240, 0.3414, 0.1654



## Achromatopsia

7.6185, 0.3127, 0.3290



## Achromatomaly

7.5121, 0.3280, 0.2056

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 14.7240, 0.3414, 0.1654 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(194, 0, 179)` looks like.

```
.text, #text, p{  
  color:rgb(194, 0, 179)  
}
```

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(194, 0, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 0, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 14.7240, 0.3414, 0.1654 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(194, 0, 179) }
```

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

```
.border{ border-color:rgb(194, 0, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 0, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 0, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 0, 179);  
box-shadow:4px 4px 4px 4px rgb(194, 0,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 14.7240, 0.3414, 0.1654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 0, 179) }
```

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

```
.background{ background-color: rgb(194, 0,  
179) }
```

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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