

Converting Colors

$Y_{xy}(15.7501, 0.3079, 0.1470)$

Have a look what the booklet for
Yxy(15.7501, 0.3079, 0.1470)
contains.

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Color

Yxy(15.6971, 0.3074, 0.1467)

Conversions

Conversions Part 1

Format	Color
Hex	C100CC
RGB	193, 0, 204
RGB Percent	76%, 0%, 80%
CMY	0.2431, 1.0000, 0.2001
CMYK	0.05, 1.00, 0.00, 0.20
HSL	297°, 100%, 40%
HSV	297°, 100%, 80%
XYZ	32.8922, 15.6971, 58.4120
YIQ	80.9630, 49.5440, 104.3600

Conversions

Conversions Part 2

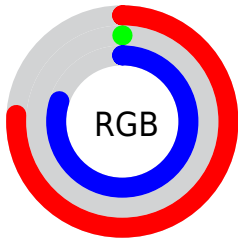
Format	Color
RYB	193, 0, 204
Decimal	12648652
CIELab	46.57, 81.32, -54.62
CIELCh	47, 97.962, 326.111
Yxy	15.6971, 0.3074, 0.1467
Android (android.graphics.Color)	4290838732 (0xFFC100CC)
YUV	80.9630, 60.6572, 98.2564
Hunter-Lab	39.6196, 78.8567, -59.6789

Details

The Yxy color **15.6971, 0.3074, 0.1467** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **43.2486, 0.3010, 0.5992**, and the grayscale version is **8.0923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5848, 0.3177, 0.1815**, and **7.2383, 0.2961, 0.1405** is the 20% darker color. If you saturate the color by 10%, you get **15.6982, 0.3074, 0.1467**, and if you desaturate by 10%, it is **16.3574, 0.3087, 0.1510**.

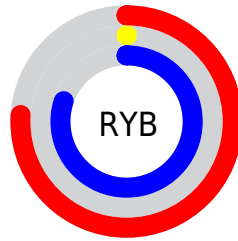
Distribution



Red (76%)

Green (0%)

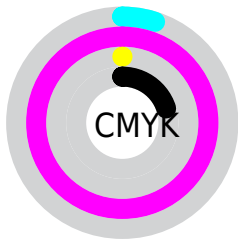
Blue (80%)



Red (76%)

Yellow (0%)

Blue (80%)

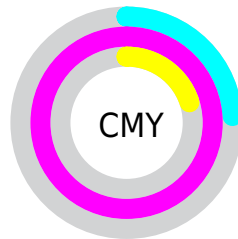


Cyan (5%)

Magenta (100%)

Yellow (0%)

Black (20%)



Cyan (24%)


Magenta (100%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6971, 0.3074, 0.1467 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 15.6971, 0.3074, 0.1467 by changing the saturation by 10% instead.


 15.6971, 0.3074,
0.1467


 15.6971, 0.3074,
0.1467

227.5477, 0.3161,
0.2344


 9.3101, 0.3032,
0.1271


 36.0716, 0.3121,
0.1771

 4.9440, 0.2965,
0.1038


 50.8278, 0.3134,
0.1890


 2.2144, 0.2857,
0.0763


 69.1425, 0.3143,
0.1993


 0.7278, 0.2675,
0.0449

 91.4001, 0.3149,
0.2082

 0.0000, 0.2384,
0.0000

 117.9851, 0.3154,
0.2160

 0.0000, 0.1696,
0.0000

 149.2817, 0.3157,

 0.0000, 0.0000,

0.2228

0.0000

185.6744, 0.3159,
0.2289

■ 15.6971, 0.3074,
0.1467

■ 15.6971, 0.3074,
0.1467

■ 15.6982, 0.3074,
0.1467

■ 16.3574, 0.3087,
0.1510

■ 17.5605, 0.3099,
0.1589

■ 19.4939, 0.3109,
0.1711

■ 22.2569, 0.3118,
0.1875

■ 25.9336, 0.3124,
0.2074

■ 30.5976, 0.3128,
0.2300

■ 36.3151, 0.3130,
0.2543

■ 43.1466, 0.3131,
0.2795

■ 51.1480, 0.3129,
0.3046

Harmonies

Analogous

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



15.6971, 0.1648, 0.1112



15.6971, 0.3074, 0.1467



15.6971, 0.5107, 0.2125

Triad

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



15.6971, 0.3074, 0.1467



15.6971, 0.5055, 0.4945



15.6971, 0.0680, 0.2339

Complementary

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



15.6971, 0.3074, 0.1467



43.2486, 0.3010, 0.5992

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.



15.6971, 0.1148, 0.4659



15.6971, 0.3074, 0.1467



15.6971, 0.3605, 0.6395

Square

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



15.6971, 0.3074, 0.1467



15.6971, 0.6230, 0.3770



15.6971, 0.2226, 0.6873



15.6971, 0.0655, 0.1360

Rectangle

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



15.6971, 0.3074, 0.1467



15.6971, 0.6158, 0.2639



15.6971, 0.2226, 0.6873



15.6971, 0.0772, 0.2942

Sweetspot

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



15.6982, 0.3074, 0.1467



59.7483, 0.3130, 0.2534



4.6622, 0.1511, 0.0637



11.8822, 0.3129, 0.2428



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.



15.6982, 0.3074, 0.1467



25.9716, 0.3072, 0.1466



14.0864, 0.4690, 0.2357



11.3718, 0.3129, 0.3061



9.8958, 0.3076, 0.1468



0.5201, 0.3104, 0.1483

Inverse Universe

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



12.8591, 0.6351, 0.3272



21.2909, 0.6362, 0.3278



43.8887, 0.2788, 0.5236



11.2233, 0.3282, 0.3278



8.0995, 0.6336, 0.3264



0.4213, 0.6126, 0.3148

Previews

White Background



This preview shows how the Yxy color 15.6971, 0.3074, 0.1467 looks on a white background.

Color Contrast Check

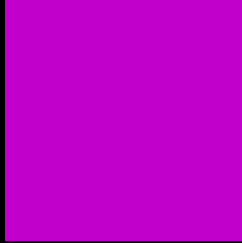
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6971, 0.3074, 0.1467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

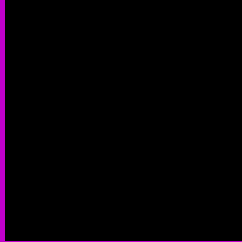
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6971, 0.3074, 0.1467

Background



This preview shows how black text looks on a background with the Yxy color 15.6971, 0.3074, 0.1467.



This preview shows how white text looks on a background with the Yxy color 15.6971, 0.3074, 0.1467.

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

15.6971, 0.3074, 0.1467

Protanopia

16.3823, 0.1739, 0.1461

Deuteranopia

16.3729, 0.1977, 0.1917



Tritanopia

15.9769, 0.4663, 0.3225

Trichromacy



Original Color

15.6971, 0.3074, 0.1467



Protanomaly

10.7256, 0.1809, 0.1104



Deuteranomaly

11.5633, 0.2166, 0.1392



Tritanomaly

14.1165, 0.4087, 0.2322

Monochromacy



Original Color

15.6971, 0.3074, 0.1467



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.0999, 0.3120, 0.1941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6971, 0.3074, 0.1467 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(193, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(193, 0, 204)  
}
```

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(193, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 204) }
```

Border

The CSS property to change the border of an element to Yxy 15.6971, 0.3074, 0.1467 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(193, 0, 204) }
```

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

```
.border{ border-color:rgb(193, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(193, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(193, 0,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6971, 0.3074, 0.1467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 0, 204) }
```

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

```
.background{ background-color: rgb(193, 0,  
204) }
```

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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