

Converting Colors

$Y_{xy}(15.6348, 0.3094, 0.1533)$

Have a look what the booklet for
Yxy(15.6348, 0.3094, 0.1533)
contains.

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Color

Yxy(15.6348, 0.3094, 0.1533)

Conversions

Conversions Part 1

Format	Color
Hex	BD1AC6
RGB	189, 26, 198
RGB Percent	74%, 10%, 78%
CMY	0.2587, 0.8983, 0.2234
CMYK	0.05, 0.87, 0.00, 0.22
HSL	297°, 77%, 44%
HSV	297°, 87%, 78%
XYZ	31.5552, 15.6348, 54.7983
YIQ	94.3450, 41.9360, 88.0480

Conversions

Conversions Part 2

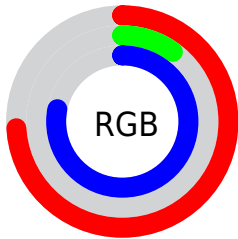
Format	Color
R_{YB}	189, 26, 198
Decimal	12393158
CIE _{Lab}	46.49, 76.86, -51.34
CIE _{LCh}	46, 92.427, 326.256
Yxy	15.6348, 0.3094, 0.1533
Android (android.graphics.Color)	4290583238 (0xFFBD1AC6)
YUV	94.3450, 51.1019, 83.0124
Hunter-Lab	39.5409, 73.2535, -54.4893

Details

The Yxy color **15.6348, 0.3094, 0.1533** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed purple. A complement of this color would be **40.8319, 0.3026, 0.5862**, and the grayscale version is **11.1394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9091, 0.3139, 0.1836**, and **6.8085, 0.3003, 0.1428** is the 20% darker color. If you saturate the color by 10%, you get **14.9009, 0.3082, 0.1481**, and if you desaturate by 10%, it is **16.9657, 0.3105, 0.1625**.

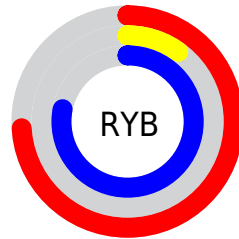
Distribution



Red (74%)

Green (10%)

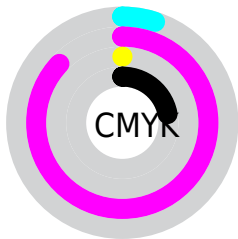
Blue (78%)



Red (74%)

Yellow (10%)

Blue (78%)

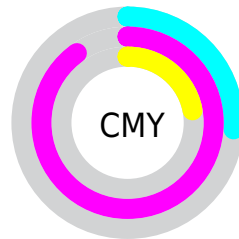


Cyan (5%)

Magenta (87%)

Yellow (0%)

Black (22%)



Cyan (26%)


Magenta (90%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6348, 0.3094, 0.1533 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 15.6348, 0.3094, 0.1533 by changing the saturation by 10% instead.


 15.6348, 0.3094,
0.1533


 15.6348, 0.3094,
0.1533


227.1770, 0.3166,
0.2390


 9.2661, 0.3056,
0.1337


 35.9630, 0.3134,
0.1833

 4.9152, 0.2996,
0.1102


 50.6913, 0.3145,
0.1950


 2.1976, 0.2895,
0.0820


 68.9750, 0.3152,
0.2050

 0.7187, 0.2721,
0.0490

 91.1984, 0.3157,
0.2137

 0.0000, 0.2437,
0.0000

 117.7459, 0.3161,
0.2212

 0.0000, 0.1625,
0.0000

 149.0019, 0.3163,

 0.0000, 0.0000,

0.2279

0.0000

185.3508, 0.3165,
0.2338

■ 15.6348, 0.3094,
0.1533

■ 15.6348, 0.3094,
0.1533

■ 14.9009, 0.3082,
0.1481

■ 16.9657, 0.3105,
0.1625

■ 14.7275, 0.3078,
0.1469

■ 19.0086, 0.3114,
0.1760

■ 21.8512, 0.3122,
0.1935

■ 25.5683, 0.3127,
0.2144

■ 30.2258, 0.3130,
0.2376

■ 35.8837, 0.3131,
0.2622

■ 42.5966, 0.3131,
0.2874

■ 50.4154, 0.3129,
0.3123

■ 59.3877, 0.3126,
0.3363

Harmonies

Analogous

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



15.6348, 0.1712, 0.1179



15.6348, 0.3094, 0.1533



15.6348, 0.5019, 0.2183

Triad

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



15.6348, 0.3094, 0.1533



15.6348, 0.5039, 0.4961



15.6348, 0.0756, 0.2396

Complementary

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



15.6348, 0.3094, 0.1533



40.8319, 0.3026, 0.5862

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.



15.6348, 0.1236, 0.4574



15.6348, 0.3094, 0.1533



15.6348, 0.3671, 0.6329

Square

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



15.6348, 0.3094, 0.1533



15.6348, 0.6125, 0.3818



15.6348, 0.2308, 0.6653



15.6348, 0.0722, 0.1433

Rectangle

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



15.6348, 0.3094, 0.1533



15.6348, 0.6018, 0.2695



15.6348, 0.2308, 0.6653



15.6348, 0.0852, 0.2973

Sweetspot

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



15.6355, 0.3094, 0.1533



64.0941, 0.3131, 0.2635



5.6450, 0.1594, 0.0796



12.9132, 0.3131, 0.2547



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.



15.6355, 0.3094, 0.1533



26.0362, 0.3076, 0.1468



14.1864, 0.4424, 0.2301



10.7873, 0.3130, 0.3062



9.5864, 0.3080, 0.1470



0.4628, 0.3108, 0.1486

Inverse Universe

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



12.8660, 0.6046, 0.3246



21.2900, 0.6363, 0.3279



41.5500, 0.2749, 0.4976



10.6458, 0.3281, 0.3278



7.8264, 0.6337, 0.3265



0.3738, 0.6119, 0.3145

Previews

White Background



This preview shows how the Yxy color 15.6348, 0.3094, 0.1533 looks on a white background.

Color Contrast Check

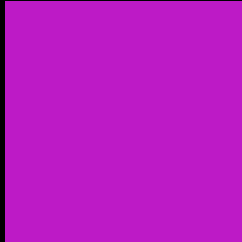
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6348, 0.3094, 0.1533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

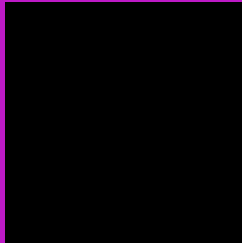
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6348, 0.3094, 0.1533

Background



This preview shows how black text looks on a background with the Yxy color 15.6348, 0.3094, 0.1533.



This preview shows how white text looks on a background with the Yxy color 15.6348, 0.3094, 0.1533.

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

15.6348, 0.3094, 0.1533

Protanopia

16.0614, 0.1739, 0.1461

Deuteranopia

16.1060, 0.2022, 0.1966



Tritanopia

15.6393, 0.4607, 0.3209

Trichromacy



Original Color

15.6348, 0.3094, 0.1533



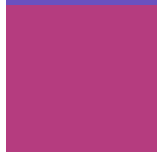
Protanomaly

11.6719, 0.1839, 0.1222



Deuteranomaly

12.7106, 0.2237, 0.1554



Tritanomaly

14.5878, 0.4037, 0.2404

Monochromacy



Original Color

15.6348, 0.3094, 0.1533



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

10.5893, 0.3132, 0.2161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6348, 0.3094, 0.1533 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, 26, 198)` looks like.

```
.text, #text, p{  
    color:rgb(189, 26, 198)  
}
```

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, 26, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 26, 198) }
```

Border

The CSS property to change the border of an element to Yxy 15.6348, 0.3094, 0.1533 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, 26, 198) }
```

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

```
.border{ border-color:rgb(189, 26, 198) }
```

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

Here you see how a box with a 4 pixel rgb(189, 26, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 26, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 26, 198);  
box-shadow:4px 4px 4px 4px rgb(189, 26,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6348, 0.3094, 0.1533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 26, 198) }
```

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

```
.background{ background-color: rgb(189, 26,  
198) }
```

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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