

Converting Colors

$Yxy(15.0104, 0.3008, 0.1431)$

Have a look what the booklet for
Yxy(15.0104, 0.3008, 0.1431)
contains.

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Color

Yxy(15.0510, 0.3012, 0.1433)

Conversions

Conversions Part 1

Format	Color
Hex	BC00CC
RGB	188, 0, 204
RGB Percent	74%, 0%, 80%
CMY	0.2627, 0.9997, 0.2001
CMYK	0.08, 1.00, 0.00, 0.20
HSL	295°, 100%, 40%
HSV	295°, 100%, 80%
XYZ	31.6355, 15.0510, 58.3449
YIQ	79.4680, 46.5640, 103.3000

Conversions

Conversions Part 2

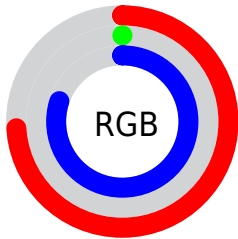
Format	Color
R_{YB}	188, 0, 204
Decimal	12320972
CIE _{Lab}	45.70, 80.54, -56.06
CIE _{LCh}	46, 98.133, 325.161
Yxy	15.0510, 0.3012, 0.1433
Android (android.graphics.Color)	4290511052 (0xFFBC00CC)
YUV	79.4680, 61.3943, 95.1826
Hunter-Lab	38.7956, 77.6635, -62.0096

Details

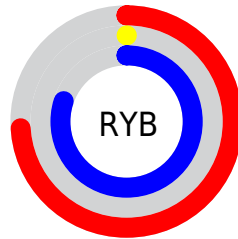
The Yxy color **15.0510, 0.3012, 0.1433** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as dark washed purple. A complement of this color would be **43.2818, 0.3016, 0.5987**, and the grayscale version is **7.7954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4888, 0.3131, 0.1787**, and **6.8371, 0.2878, 0.1359** is the 20% darker color. If you saturate the color by 10%, you get **15.0492, 0.3012, 0.1433**, and if you desaturate by 10%, it is **15.7712, 0.3032, 0.1481**.

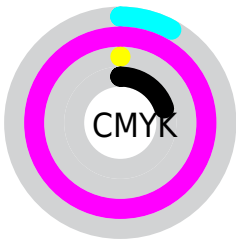
Distribution



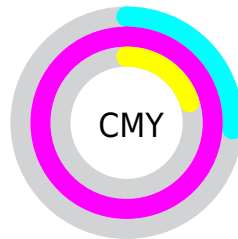
- Red (74%)
- Green (0%)
- Blue (80%)



- Red (74%)
- Yellow (0%)
- Blue (80%)



- Cyan (8%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)





- Cyan (26%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0510, 0.3012, 0.1433 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 15.0510, 0.3012, 0.1433 by changing the saturation by 10% instead.


 15.0510, 0.3012,
0.1433


 15.0510, 0.3012,
0.1433


223.6747, 0.3135,
0.2327


 8.8552, 0.2959,
0.1234


 34.9426, 0.3073,
0.1743


 4.6468, 0.2879,
0.0998


 49.4072, 0.3091,
0.1864


 2.0416, 0.2752,
0.0721


 67.3969, 0.3104,
0.1969

 0.6315, 0.2546,
0.0401

 89.2960, 0.3114,
0.2060

 0.0000, 0.2208,
0.0000

 115.4889, 0.3121,
0.2139

 0.0000, 0.1418,
0.0000

 146.3601, 0.3127,

 0.0000, 0.0000,

0.2210

0.0000

182.2939, 0.3131,
0.2272

■ 15.0510, 0.3012,
0.1433

■ 15.0510, 0.3012,
0.1433

■ 15.0492, 0.3012,
0.1433

■ 15.7712, 0.3032,
0.1481

■ 17.0373, 0.3050,
0.1564

■ 19.0350, 0.3068,
0.1692

■ 21.8638, 0.3083,
0.1860

■ 25.6077, 0.3097,
0.2064

■ 30.3402, 0.3108,
0.2295

■ 36.1275, 0.3116,
0.2541

■ 43.0300, 0.3122,
0.2795

■ 51.1037, 0.3125,
0.3047

Harmonies

Analogous

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



15.0510, 0.1600, 0.1087



15.0510, 0.3012, 0.1433



15.0510, 0.5071, 0.2086

Triad

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



15.0510, 0.3012, 0.1433



15.0510, 0.5103, 0.4897



15.0510, 0.0666, 0.2370

Complementary

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



15.0510, 0.3012, 0.1433



43.2818, 0.3016, 0.5987

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.



15.0510, 0.1148, 0.4775



15.0510, 0.3012, 0.1433



15.0510, 0.3629, 0.6371

Square

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



15.0510, 0.3012, 0.1433



15.0510, 0.6278, 0.3722



15.0510, 0.2241, 0.6957



15.0510, 0.0634, 0.1356

Rectangle

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



15.0510, 0.3012, 0.1433



15.0510, 0.6163, 0.2600



15.0510, 0.2241, 0.6957



15.0510, 0.0761, 0.2998

Sweetspot

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



15.0517, 0.3012, 0.1433



59.4016, 0.3116, 0.2530



4.7617, 0.1514, 0.0650



11.7979, 0.3112, 0.2424



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.



15.0517, 0.3012, 0.1433



24.8876, 0.3009, 0.1431



14.1670, 0.4620, 0.2319



11.3573, 0.3125, 0.3061



9.4940, 0.3015, 0.1434



0.5034, 0.3055, 0.1457

Inverse Universe

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



12.8723, 0.6323, 0.3257



21.3104, 0.6338, 0.3265



43.8280, 0.2802, 0.5287



11.2277, 0.3278, 0.3272



8.1090, 0.6306, 0.3247



0.4234, 0.6010, 0.3085

Previews

White Background



This preview shows how the Yxy color 15.0510, 0.3012, 0.1433 looks on a white background.

Color Contrast Check

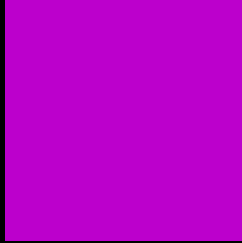
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0510, 0.3012, 0.1433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

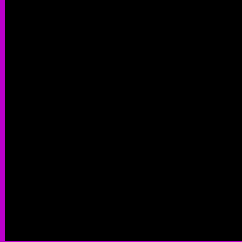
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0510, 0.3012, 0.1433

Background



This preview shows how black text looks on a background with the Yxy color 15.0510, 0.3012, 0.1433.



This preview shows how white text looks on a background with the Yxy color 15.0510, 0.3012, 0.1433.

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

15.0510, 0.3012, 0.1433

Protanopia

15.7443, 0.1739, 0.1461

Deuteranopia

15.9077, 0.1934, 0.1887



Tritanopia

15.3919, 0.4598, 0.3223

Trichromacy



Original Color

15.0510, 0.3012, 0.1433



Protanomaly

10.2530, 0.1801, 0.1092



Deuteranomaly

10.9788, 0.2092, 0.1348



Tritanomaly

13.5099, 0.4014, 0.2291

Monochromacy



Original Color

15.0510, 0.3012, 0.1433



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

7.7703, 0.3084, 0.1918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0510, 0.3012, 0.1433 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(188, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 0, 204) }
```

Border

The CSS property to change the border of an element to Yxy 15.0510, 0.3012, 0.1433 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(188, 0, 204) }
```

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

```
.border{ border-color:rgb(188, 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(188, 0, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(188, 0,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0510, 0.3012, 0.1433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 0, 204) }
```

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

```
.background{ background-color: rgb(188, 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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