

Converting Colors

$Y_{xy}(15.0809, 0.3070, 0.1510)$

Have a look what the booklet for
Yxy(15.0809, 0.3070, 0.1510)
contains.

Yxy(15.0441, 0.3068, 0.1508)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.0441, 0.3068, 0.1508)

Conversions

Conversions Part 1

Format	Color
Hex	BA16C5
RGB	186, 22, 197
RGB Percent	73%, 9%, 77%
CMY	0.2707, 0.9131, 0.2275
CMYK	0.06, 0.89, 0.00, 0.23
HSL	296°, 80%, 43%
HSV	296°, 89%, 77%
XYZ	30.6070, 15.0441, 54.1109
YIQ	90.9860, 41.5690, 89.1930

Conversions

Conversions Part 2

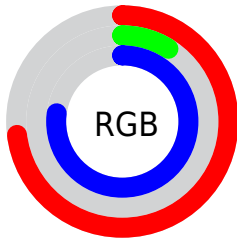
Format	Color
R_{YB}	186, 22, 197
Decimal	12195525
CIE Lab	45.69, 76.79, -52.05
CIE LCh	46, 92.766, 325.870
Yxy	15.0441, 0.3068, 0.1508
Android (android.graphics.Color)	4290385605 (0xFFBA16C5)
YUV	90.9860, 52.2649, 83.3273
Hunter-Lab	38.7867, 72.9792, -55.5640

Details

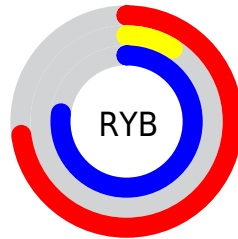
The Yxy color **15.0441, 0.3068, 0.1508** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed purple. A complement of this color would be **40.3152, 0.3028, 0.5884**, and the grayscale version is **10.3485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9330, 0.3120, 0.1817**, and **6.5422, 0.2967, 0.1408** is the 20% darker color. If you saturate the color by 10%, you get **14.3634, 0.3053, 0.1459**, and if you desaturate by 10%, it is **16.2667, 0.3082, 0.1595**.

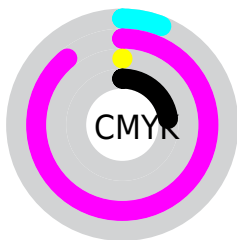
Distribution



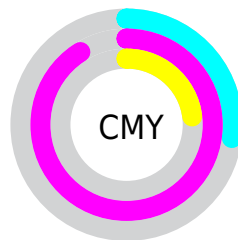
- Red (73%)
- Green (9%)
- Blue (77%)



- Red (73%)
- Yellow (9%)
- Blue (77%)



- Cyan (6%)
- Magenta (89%)
- Yellow (0%)
- Black (23%)



- Cyan (27%)
- Magenta (91%)
- Yellow (23%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 15.0441, 0.3068, 0.1508 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 15.0441, 0.3068, 0.1508 by changing the saturation by 10% instead.


 15.0441, 0.3068,
0.1508


 15.0441, 0.3068,
0.1508


 223.6330, 0.3155,
0.2379


 8.8503, 0.3025,
0.1309


 34.9305, 0.3115,
0.1813


 4.6437, 0.2958,
0.1070


 49.3920, 0.3128,
0.1932

 2.0398, 0.2847,
0.0786


 67.3781, 0.3137,
0.2034

 0.6304, 0.2658,
0.0446

 89.2734, 0.3143,
0.2122

 0.0000, 0.2339,
0.0000

 115.4621, 0.3148,
0.2198

 0.0000, 0.1404,
0.0000

 146.3286, 0.3151,

 0.0000, 0.0000,

0.2266

0.0000

182.2575, 0.3154,
0.2326

■ 15.0441, 0.3068,
0.1508

■ 15.0441, 0.3068,
0.1508

■ 14.3634, 0.3053,
0.1459

■ 16.2667, 0.3082,
0.1595

■ 14.2911, 0.3051,
0.1454

■ 18.1755, 0.3095,
0.1724

■ 20.8599, 0.3106,
0.1895

■ 24.3957, 0.3115,
0.2099

■ 28.8493, 0.3121,
0.2329

■ 34.2809, 0.3125,
0.2575

■ 40.7453, 0.3127,
0.2827

■ 48.2934, 0.3128,
0.3077

■ 56.9727, 0.3127,
0.3320

Harmonies

Analogous

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



15.0441, 0.1682, 0.1157



15.0441, 0.3068, 0.1508



15.0441, 0.5022, 0.2158

Triad

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



15.0441, 0.3068, 0.1508



15.0441, 0.5059, 0.4941



15.0441, 0.0736, 0.2397

Complementary

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



15.0441, 0.3068, 0.1508



40.3152, 0.3028, 0.5884

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.



15.0441, 0.1220, 0.4630



15.0441, 0.3068, 0.1508



15.0441, 0.3668, 0.6332

Square

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



15.0441, 0.3068, 0.1508



15.0441, 0.6169, 0.3796



15.0441, 0.2300, 0.6725



15.0441, 0.0701, 0.1418

Rectangle

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



15.0441, 0.3068, 0.1508



15.0441, 0.6046, 0.2670



15.0441, 0.2300, 0.6725



15.0441, 0.0833, 0.2988

Sweetspot

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



15.0448, 0.3068, 0.1508



62.8463, 0.3126, 0.2609



5.3361, 0.1578, 0.0767



12.6676, 0.3124, 0.2522



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.



15.0448, 0.3068, 0.1508



25.5548, 0.3048, 0.1453



13.8352, 0.4461, 0.2304



10.7812, 0.3128, 0.3062



9.4142, 0.3053, 0.1455



0.4563, 0.3088, 0.1475

Inverse Universe

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



12.5600, 0.6083, 0.3238



21.2977, 0.6353, 0.3274



40.9828, 0.2753, 0.5014



10.6476, 0.3280, 0.3276



7.8302, 0.6324, 0.3257



0.3746, 0.6065, 0.3115

Previews

White Background



This preview shows how the Yxy color 15.0441, 0.3068, 0.1508 looks on a white background.

Color Contrast Check

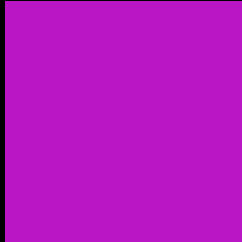
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0441, 0.3068, 0.1508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

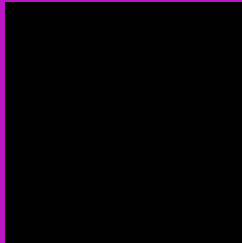
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0441, 0.3068, 0.1508

Background



This preview shows how black text looks on a background with the Yxy color 15.0441, 0.3068, 0.1508.



This preview shows how white text looks on a background with the Yxy color 15.0441, 0.3068, 0.1508.

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

15.0441, 0.3068, 0.1508

Protanopia

15.6358, 0.1743, 0.1476

Deuteranopia

15.4813, 0.1994, 0.1934



Tritanopia

15.1321, 0.4593, 0.3208

Trichromacy



Original Color

15.0441, 0.3068, 0.1508



Protanomaly

11.2529, 0.1834, 0.1207



Deuteranomaly

11.9913, 0.2198, 0.1506



Tritanomaly

13.9974, 0.4018, 0.2379

Monochromacy



Original Color

15.0441, 0.3068, 0.1508



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

9.9438, 0.3116, 0.2125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0441, 0.3068, 0.1508 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(186, 22, 197)` looks like.

```
.text, #text, p{  
    color:rgb(186, 22, 197)  
}
```

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(186, 22, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 22, 197) }
```

Border

The CSS property to change the border of an element to Yxy 15.0441, 0.3068, 0.1508 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(186, 22, 197) }
```

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

```
.border{ border-color:rgb(186, 22, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 22, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 22, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 22, 197);  
box-shadow:4px 4px 4px 4px rgb(186, 22,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0441, 0.3068, 0.1508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 22, 197) }
```

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

```
.background{ background-color: rgb(186, 22,  
197) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor