

Converting Colors

$Y_{xy}(15.9002, 0.3501, 0.1704)$

Have a look what the booklet for
Yxy(15.9002, 0.3501, 0.1704)
contains.

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Color

Yxy(15.8736, 0.3506, 0.1707)

Conversions

Conversions Part 1

Format	Color
Hex	CA01B4
RGB	202, 1, 180
RGB Percent	79%, 0%, 71%
CMY	0.2079, 0.9956, 0.2942
CMYK	0.00, 0.99, 0.11, 0.21
HSL	307°, 99%, 40%
HSV	307°, 99%, 79%
XYZ	32.6027, 15.8736, 44.5149
YIQ	81.5050, 62.3370, 98.2810

Conversions

Conversions Part 2

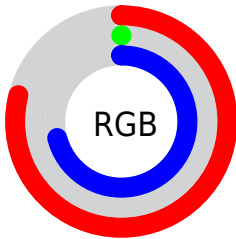
Format	Color
R_{YB}	202, 1, 180
Decimal	13238708
CIE _{Lab}	46.81, 79.28, -40.15
CIE _{LCh}	47, 88.867, 333.142
Yxy	15.8736, 0.3506, 0.1707
Android (android.graphics.Color)	4291428788 (0xFFCA01B4)
YUV	81.5050, 48.5580, 105.6741
Hunter-Lab	39.8417, 76.3448, -38.3552

Details

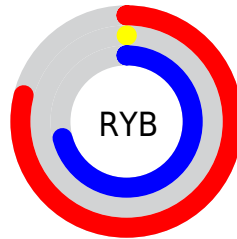
The Yxy color **15.8736, 0.3506, 0.1707** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **42.3068, 0.2979, 0.5921**, and the grayscale version is **8.2411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7983, 0.3381, 0.1957**, and **7.3719, 0.3506, 0.1705** is the 20% darker color. If you saturate the color by 10%, you get **15.8448, 0.3508, 0.1706**, and if you desaturate by 10%, it is **16.4893, 0.3469, 0.1729**.

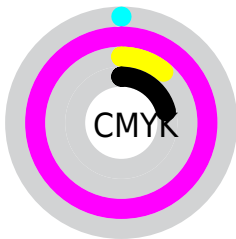
Distribution



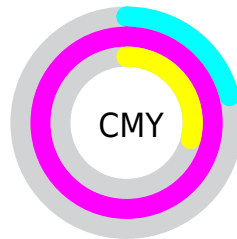
- Red (79%)
- Green (0%)
- Blue (71%)



- Red (79%)
- Yellow (0%)
- Blue (71%)



- Cyan (0%)
- Magenta (99%)
- Yellow (11%)
- Black (21%)




- Cyan (21%)
- Magenta (100%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.8736, 0.3506, 0.1707 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 15.8736, 0.3506, 0.1707 by changing the saturation by 10% instead.


 15.8736, 0.3506,
0.1707


 15.8736, 0.3506,
0.1707


228.5947, 0.3339,
0.2498


 9.4348, 0.3537,
0.1518


 36.3786, 0.3453,
0.1990


 5.0258, 0.3568,
0.1285


 51.2136, 0.3430,
0.2098


 2.2624, 0.3593,
0.0995


 69.6161, 0.3411,
0.2190

 0.7537, 0.3596,
0.0636

 91.9704, 0.3393,
0.2269

 0.0000, 0.3606,
0.0000

 118.6611, 0.3377,
0.2338

 0.0000, 0.3063,
0.0000

 150.0724, 0.3363,

 0.0000, 0.0000,

0.2398

0.0000

186.5888, 0.3351,
0.2451

■ 15.8736, 0.3506,
0.1707

■ 15.8736, 0.3506,
0.1707

■ 15.8448, 0.3508,
0.1706

■ 16.4893, 0.3469,
0.1729

■ 17.6558, 0.3430,
0.1789

■ 19.5427, 0.3389,
0.1893

■ 22.2458, 0.3346,
0.2037

■ 25.8465, 0.3303,
0.2216

■ 30.4163, 0.3261,
0.2419

■ 36.0193, 0.3222,
0.2637

■ 42.7144, 0.3187,
0.2862

■ 50.5558, 0.3154,
0.3085

Harmonies

Analogous

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



15.8736, 0.2002, 0.1284



15.8736, 0.3506, 0.1707



15.8736, 0.5331, 0.2396

Triad

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



15.8736, 0.3506, 0.1707



15.8736, 0.4737, 0.5263



15.8736, 0.0776, 0.2140

Complementary

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



15.8736, 0.3506, 0.1707



42.3068, 0.2979, 0.5921

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.



15.8736, 0.1141, 0.3951



15.8736, 0.3506, 0.1707



15.8736, 0.3382, 0.6440

Square

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



15.8736, 0.3506, 0.1707



15.8736, 0.5885, 0.4089



15.8736, 0.2091, 0.6221



15.8736, 0.0810, 0.1380

Rectangle

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



15.8736, 0.3506, 0.1707



15.8736, 0.6104, 0.2911



15.8736, 0.2091, 0.6221



15.8736, 0.0842, 0.2603

Sweetspot

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



15.8744, 0.3506, 0.1707



59.9919, 0.3226, 0.2616



4.4502, 0.1535, 0.0622



11.9418, 0.3243, 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.



15.8744, 0.3506, 0.1707



26.8091, 0.3512, 0.1709



13.1811, 0.5377, 0.2740



11.3817, 0.3154, 0.3086



10.2050, 0.3503, 0.1704



0.5327, 0.3439, 0.1668

Inverse Universe

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



15.8744, 0.3506, 0.1707



26.8091, 0.3512, 0.1709



43.6408, 0.2628, 0.4658



11.3817, 0.3154, 0.3086



10.2050, 0.3503, 0.1704



0.5327, 0.3439, 0.1668

Previews

White Background



This preview shows how the Yxy color 15.8736, 0.3506, 0.1707 looks on a white background.

Color Contrast Check

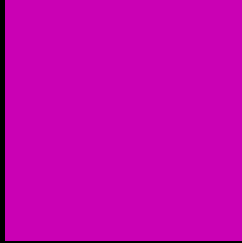
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8736, 0.3506, 0.1707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

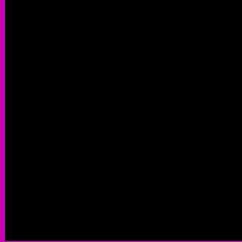
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8736, 0.3506, 0.1707

Background



This preview shows how black text looks on a background with the Yxy color 15.8736, 0.3506, 0.1707.



This preview shows how white text looks on a background with the Yxy color 15.8736, 0.3506, 0.1707.

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

15.8736, 0.3506, 0.1707

Protanopia

16.7068, 0.1739, 0.1461

Deuteranopia

16.4792, 0.2307, 0.2251



Tritanopia

16.2209, 0.5059, 0.3248

Trichromacy



Original Color

15.8736, 0.3506, 0.1707



Protanomaly

10.5503, 0.1852, 0.1162



Deuteranomaly

12.3190, 0.2621, 0.1707



Tritanomaly

14.8820, 0.4553, 0.2536

Monochromacy



Original Color

15.8736, 0.3506, 0.1707



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.2898, 0.3330, 0.2100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8736, 0.3506, 0.1707 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(202, 1, 180)` looks like.

```
.text, #text, p{  
    color:rgb(202, 1, 180)  
}
```

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(202, 1, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 1, 180) }
```

Border

The CSS property to change the border of an element to Yxy 15.8736, 0.3506, 0.1707 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(202, 1, 180) }
```

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

```
.border{ border-color:rgb(202, 1, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 1, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 1, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 1, 180);  
box-shadow:4px 4px 4px 4px rgb(202, 1,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8736, 0.3506, 0.1707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 1, 180) }
```

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

```
.background{ background-color: rgb(202, 1,  
180) }
```

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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