

Converting Colors

$Y_{xy}(15.7580, 0.3677, 0.1799)$

Have a look what the booklet for
Yxy(15.7580, 0.3677, 0.1799)
contains.

Yxy(15.7776, 0.3669, 0.1795)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.7776, 0.3669, 0.1795)

Conversions

Conversions Part 1

Format	Color
Hex	CC00AB
RGB	204, 0, 171
RGB Percent	80%, 0%, 67%
CMY	0.2000, 0.9995, 0.3294
CMYK	0.00, 1.00, 0.16, 0.20
HSL	310°, 100%, 40%
HSV	310°, 100%, 80%
XYZ	32.2496, 15.7776, 39.8703
YIQ	80.4900, 66.6930, 96.4290

Conversions

Conversions Part 2

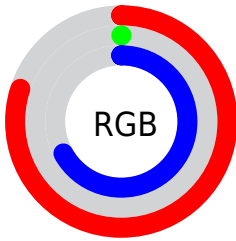
Format	Color
RYB	204, 0, 171
Decimal	13369515
CIELab	46.68, 78.56, -35.01
CIELCh	47, 86.009, 335.978
Yxy	15.7776, 0.3669, 0.1795
Android (android.graphics.Color)	4291559595 (0xFFCC00AB)
YUV	80.4900, 44.6214, 108.3183
Hunter-Lab	39.7210, 75.4127, -31.7081

Details

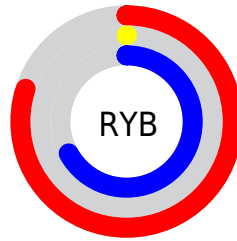
The Yxy color **15.7776, 0.3669, 0.1795** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **43.2917, 0.2963, 0.5865**, and the grayscale version is **8.0376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2882, 0.3475, 0.2025**, and **7.3277, 0.3733, 0.1830** is the 20% darker color. If you saturate the color by 10%, you get **15.7751, 0.3669, 0.1795**, and if you desaturate by 10%, it is **16.4221, 0.3612, 0.1807**.

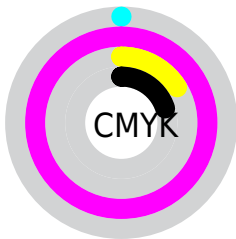
Distribution



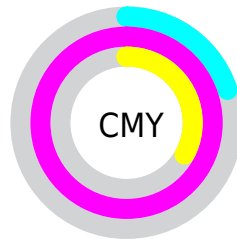
- Red (80%)
- Green (0%)
- Blue (67%)



- Red (80%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (16%)
- Black (20%)




- Cyan (20%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7776, 0.3669, 0.1795 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 15.7776, 0.3669, 0.1795 by changing the saturation by 10% instead.


 15.7776, 0.3669,
0.1795


 15.7776, 0.3669,
0.1795


228.0258, 0.3404,
0.2553


 9.3669, 0.3730,
0.1609


 36.2117, 0.3576,
0.2070


 4.9813, 0.3803,
0.1377


 51.0039, 0.3539,
0.2173

 2.2363, 0.3891,
0.1083


 69.3587, 0.3509,
0.2261

 0.7397, 0.3989,
0.0708

 91.6605, 0.3482,
0.2336

 0.0000, 0.4179,
0.0000

 118.2937, 0.3458,
0.2401

 0.0000, 0.3800,
0.0000

 149.6427, 0.3438,

 0.0000, 0.0000,

0.2458

0.0000

186.0920, 0.3420,
0.2509

■ 15.7776, 0.3669,
0.1795

■ 15.7776, 0.3669,
0.1795

■ 15.7751, 0.3669,
0.1795

■ 16.4221, 0.3612,
0.1807

■ 17.6141, 0.3552,
0.1857

■ 19.5391, 0.3490,
0.1953

■ 22.2965, 0.3427,
0.2090

■ 25.9702, 0.3366,
0.2260

■ 30.6339, 0.3308,
0.2454

■ 36.3538, 0.3255,
0.2662

■ 43.1903, 0.3207,
0.2875

■ 51.1993, 0.3164,
0.3087

Harmonies

Analogous

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



15.7776, 0.2140, 0.1346



15.7776, 0.3669, 0.1795



15.7776, 0.5411, 0.2494

Triad

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



15.7776, 0.3669, 0.1795



15.7776, 0.4621, 0.5379



15.7776, 0.0805, 0.2070

Complementary

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



15.7776, 0.3669, 0.1795



43.2917, 0.2963, 0.5865

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.



15.7776, 0.1129, 0.3723



15.7776, 0.3669, 0.1795



15.7776, 0.3276, 0.6415

Square

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



15.7776, 0.3669, 0.1795



15.7776, 0.5760, 0.4204



15.7776, 0.2024, 0.5969



15.7776, 0.0866, 0.1382

Rectangle

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



15.7776, 0.3669, 0.1795



15.7776, 0.6085, 0.3009



15.7776, 0.2024, 0.5969



15.7776, 0.0861, 0.2490

Sweetspot

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



15.7784, 0.3669, 0.1795



59.7482, 0.3257, 0.2652



4.6483, 0.1558, 0.0632



11.8827, 0.3279, 0.2562



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.



15.7784, 0.3669, 0.1795



26.1012, 0.3676, 0.1799



13.2994, 0.5592, 0.2855



11.3713, 0.3162, 0.3098



9.9419, 0.3662, 0.1791



0.5214, 0.3559, 0.1734

Inverse Universe

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



15.7784, 0.3669, 0.1795



26.1012, 0.3676, 0.1799



44.8646, 0.2579, 0.4485



11.3713, 0.3162, 0.3098



9.9419, 0.3662, 0.1791



0.5214, 0.3559, 0.1734

Previews

White Background



This preview shows how the Yxy color 15.7776, 0.3669, 0.1795 looks on a white background.

Color Contrast Check

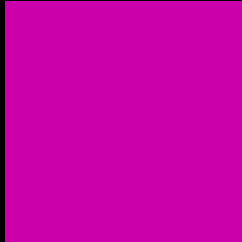
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7776, 0.3669, 0.1795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

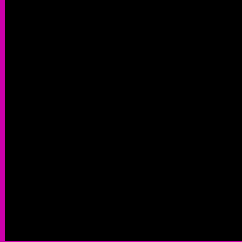
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7776, 0.3669, 0.1795

Background



This preview shows how black text looks on a background with the Yxy color 15.7776, 0.3669, 0.1795.



This preview shows how white text looks on a background with the Yxy color 15.7776, 0.3669, 0.1795.

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

15.7776, 0.3669, 0.1795

Protanopia

16.7068, 0.1739, 0.1461

Deuteranopia

16.5593, 0.2444, 0.2400



Tritanopia

16.0713, 0.5189, 0.3251

Trichromacy



Original Color

15.7776, 0.3669, 0.1795



Protanomaly

10.3155, 0.1866, 0.1169



Deuteranomaly

12.3377, 0.2795, 0.1820



Tritanomaly

14.7951, 0.4707, 0.2598

Monochromacy



Original Color

15.7776, 0.3669, 0.1795



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.1065, 0.3406, 0.2146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7776, 0.3669, 0.1795 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(204, 0, 171)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 171)  
}
```

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(204, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 171) }
```

Border

The CSS property to change the border of an element to Yxy 15.7776, 0.3669, 0.1795 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(204, 0, 171) }
```

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

```
.border{ border-color:rgb(204, 0, 171) }
```

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

Here you see how a box with a 4 pixel rgb(204, 0, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7776, 0.3669, 0.1795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 171) }
```

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

```
.background{ background-color: rgb(204, 0,  
171) }
```

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