

Converting Colors

$Y_{xy}(17.3795, 0.3556, 0.1873)$

Have a look what the booklet for
Yxy(17.3795, 0.3556, 0.1873)
contains.

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Color

Yxy(17.3795, 0.3563, 0.1879)

Conversions

Conversions Part 1

Format	Color
Hex	CA2BAF
RGB	202, 43, 175
RGB Percent	79%, 17%, 69%
CMY	0.2079, 0.8312, 0.3139
CMYK	0.00, 0.79, 0.13, 0.21
HSL	310°, 65%, 48%
HSV	310°, 79%, 79%
XYZ	32.9554, 17.3795, 42.1585
YIQ	105.5890, 52.3920, 74.7600

Conversions

Conversions Part 2

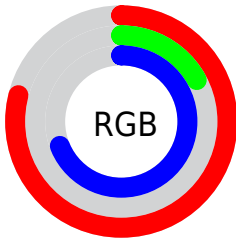
Format	Color
R_{YB}	202, 43, 175
Decimal	13249455
CIE _{Lab}	48.73, 72.23, -34.16
CIE _{LCh}	49, 79.904, 334.691
Yxy	17.3795, 0.3563, 0.1879
Android (android.graphics.Color)	4291439535 (0xFFCA2BAF)
YUV	105.5890, 34.2196, 84.5524
Hunter-Lab	41.6887, 68.1509, -30.7760

Details

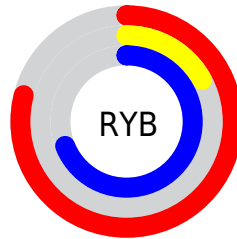
The Yxy color **17.3795, 0.3563, 0.1879** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle muted rose. A complement of this color would be **43.1966, 0.2927, 0.5444**, and the grayscale version is **14.1940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5449, 0.3421, 0.2108**, and **7.3344, 0.3628, 0.1772** is the 20% darker color. If you saturate the color by 10%, you get **16.1230, 0.3627, 0.1824**, and if you desaturate by 10%, it is **19.3679, 0.3497, 0.1979**.

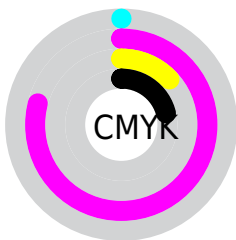
Distribution



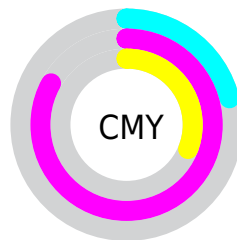
- Red (79%)
- Green (17%)
- Blue (69%)



- Red (79%)
- Yellow (17%)
- Blue (69%)



- Cyan (0%)
- Magenta (79%)
- Yellow (13%)
- Black (21%)





- Cyan (21%)
- Magenta (83%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3795, 0.3563, 0.1879 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 17.3795, 0.3563, 0.1879 by changing the saturation by 10% instead.


 17.3795, 0.3563,
0.1879


 17.3795, 0.3563,
0.1879


237.3499, 0.3355,
0.2593


 10.5054, 0.3609,
0.1704


 38.9771, 0.3491,
0.2137


 5.7353, 0.3663,
0.1484


 54.4695, 0.3463,
0.2235


 2.6848, 0.3725,
0.1203


 73.6034, 0.3439,
0.2318

 0.9695, 0.3787,
0.0844

 96.7632, 0.3417,
0.2389

 0.0000, 0.3981,
0.0000

 124.3334, 0.3399,
0.2450

 0.0000, 0.3590,
0.0000

156.6983, 0.3382,

 0.0000, 0.0000,

0.2504

0.0000

194.2424, 0.3368,
0.2551

■ 17.3795, 0.3563,
0.1879

■ 17.3795, 0.3563,
0.1879

■ 16.1230, 0.3627,
0.1824

■ 19.3679, 0.3497,
0.1979

■ 15.4441, 0.3687,
0.1810

■ 22.1802, 0.3432,
0.2120

■ 15.3701, 0.3695,
0.1809

■ 25.8978, 0.3368,
0.2292

■ 30.5916, 0.3308,
0.2487

■ 36.3253, 0.3253,
0.2694

■ 43.1573, 0.3204,
0.2905

■ 51.1418, 0.3160,
0.3114

■ 60.3292, 0.3123,
0.3316

■ 70.7670, 0.3090,
0.3506

Harmonies

Analogous

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



17.3795, 0.2179, 0.1458



17.3795, 0.3563, 0.1879



17.3795, 0.5140, 0.2546

Triad

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



17.3795, 0.3563, 0.1879



17.3795, 0.4652, 0.5255



17.3795, 0.0952, 0.2242

Complementary

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



17.3795, 0.3563, 0.1879



43.1966, 0.2927, 0.5444

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.



17.3795, 0.1315, 0.3790



17.3795, 0.3563, 0.1879



17.3795, 0.3413, 0.6123

Square

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



17.3795, 0.3563, 0.1879



17.3795, 0.5620, 0.4182



17.3795, 0.2210, 0.5712



17.3795, 0.0987, 0.1536

Rectangle

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



17.3795, 0.3563, 0.1879



17.3795, 0.5804, 0.3051



17.3795, 0.2210, 0.5712



17.3795, 0.1020, 0.2651

Sweetspot

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



17.3804, 0.3563, 0.1879



66.3224, 0.3231, 0.2786



7.2793, 0.1801, 0.0935



13.3374, 0.3249, 0.2710



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.



17.3804, 0.3563, 0.1879



26.4777, 0.3667, 0.1812



15.1314, 0.4968, 0.2750



11.3697, 0.3163, 0.3100



9.9025, 0.3688, 0.1805



0.5197, 0.3579, 0.1745

Inverse Universe

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



17.3804, 0.3563, 0.1879



26.4777, 0.3667, 0.1812



44.9238, 0.2547, 0.4155



11.3697, 0.3163, 0.3100



9.9025, 0.3688, 0.1805



0.5197, 0.3579, 0.1745

Previews

White Background



This preview shows how the Yxy color 17.3795, 0.3563, 0.1879 looks on a white background.

Color Contrast Check

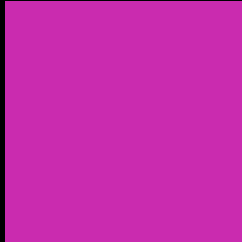
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3795, 0.3563, 0.1879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

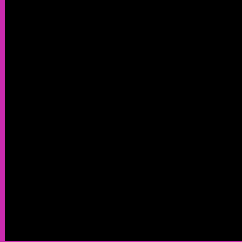
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.3795, 0.3563, 0.1879

Background



This preview shows how black text looks on a background with the Yxy color 17.3795, 0.3563, 0.1879.



This preview shows how white text looks on a background with the Yxy color 17.3795, 0.3563, 0.1879.

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

17.3795, 0.3563, 0.1879

Protanopia

17.8522, 0.1783, 0.1497

Deuteranopia

17.6307, 0.2450, 0.2391



Tritanopia

17.4108, 0.4880, 0.3233

Trichromacy



Original Color

17.3795, 0.3563, 0.1879



Protanomaly

14.0002, 0.2031, 0.1419



Deuteranomaly

15.2436, 0.2766, 0.2019



Tritanomaly

16.7773, 0.4422, 0.2668

Monochromacy



Original Color

17.3795, 0.3563, 0.1879



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.4879, 0.3318, 0.2462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3795, 0.3563, 0.1879 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, 43, 175)` looks like.

```
.text, #text, p{  
    color:rgb(202, 43, 175)  
}
```

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, 43, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 43, 175) }
```

Border

The CSS property to change the border of an element to Yxy 17.3795, 0.3563, 0.1879 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, 43, 175) }
```

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

```
.border{ border-color:rgb(202, 43, 175) }
```

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

Here you see how a box with a 4 pixel rgb(202, 43, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 43, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 43, 175);  
box-shadow:4px 4px 4px 4px rgb(202, 43,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3795, 0.3563, 0.1879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 43, 175) }
```

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

```
.background{ background-color: rgb(202, 43,  
175) }
```

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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