

Converting Colors

$Y_{xy}(17.3728, 0.3290, 0.1586)$

Have a look what the booklet for
Yxy(17.3728, 0.3290, 0.1586)
contains.

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Color

Yxy(17.4355, 0.3296, 0.1589)

Conversions

Conversions Part 1

Format	Color
Hex	CF00C8
RGB	207, 0, 200
RGB Percent	81%, 0%, 78%
CMY	0.1881, 1.0000, 0.2155
CMYK	0.00, 1.00, 0.03, 0.19
HSL	302°, 100%, 41%
HSV	302°, 100%, 81%
XYZ	36.1658, 17.4355, 56.1250
YIQ	84.6930, 59.1720, 106.0840

Conversions

Conversions Part 2

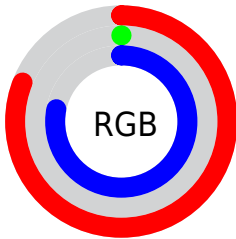
Format	Color
R_{YB}	207, 0, 200
Decimal	13566152
CIE _{Lab}	48.80, 82.99, -48.63
CIE _{LCh}	49, 96.187, 329.631
Yxy	17.4355, 0.3296, 0.1589
Android (android.graphics.Color)	4291756232 (0xFFCF00C8)
YUV	84.6930, 56.8464, 107.2632
Hunter-Lab	41.7558, 81.5306, -50.4640

Details

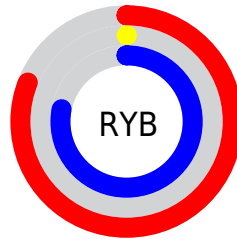
The Yxy color **17.4355, 0.3296, 0.1589** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **44.6531, 0.2995, 0.5982**, and the grayscale version is **8.8898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3087, 0.3195, 0.1836**, and **8.3402, 0.3259, 0.1569** is the 20% darker color. If you saturate the color by 10%, you get **17.4408, 0.3296, 0.1589**, and if you desaturate by 10%, it is **17.9991, 0.3285, 0.1619**.

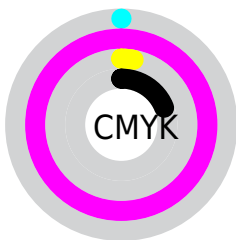
Distribution



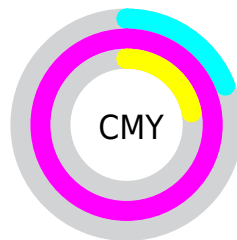
- Red (81%)
- Green (0%)
- Blue (78%)



- Red (81%)
- Yellow (0%)
- Blue (78%)



- Cyan (0%)
- Magenta (100%)
- Yellow (3%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4355, 0.3296, 0.1589 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 17.4355, 0.3296, 0.1589 by changing the saturation by 10% instead.


 17.4355, 0.3296,
0.1589


 17.4355, 0.3296,
0.1589


237.6697, 0.3256,
0.2410


 10.5455, 0.3290,
0.1403


 39.0730, 0.3293,
0.1875


 5.7621, 0.3272,
0.1178


 54.5894, 0.3288,
0.1987


 2.7010, 0.3231,
0.0907


 73.7499, 0.3283,
0.2082

 0.9777, 0.3142,
0.0590

 96.9390, 0.3277,
0.2165

 0.0000, 0.3024,
0.0000

 124.5412, 0.3271,
0.2238

 0.0000, 0.2526,
0.0000

 156.9408, 0.3266,

 0.0000, 0.0000,

0.2302

0.0000

194.5221, 0.3261,
0.2359

■ 17.4355, 0.3296,
0.1589

■ 17.4355, 0.3296,
0.1589

■ 17.4408, 0.3296,
0.1589

■ 17.9991, 0.3285,
0.1619

■ 19.1206, 0.3272,
0.1684

■ 20.9965, 0.3256,
0.1792

■ 23.7303, 0.3239,
0.1942

■ 27.4089, 0.3220,
0.2128

■ 32.1089, 0.3201,
0.2341

■ 37.8989, 0.3181,
0.2573

■ 44.8417, 0.3162,
0.2813

■ 52.9950, 0.3144,
0.3055

Harmonies

Analogous

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



17.4355, 0.1826, 0.1199



17.4355, 0.3296, 0.1589



17.4355, 0.5229, 0.2264

Triad

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



17.4355, 0.3296, 0.1589



17.4355, 0.4890, 0.5110



17.4355, 0.0730, 0.2231

Complementary

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



17.4355, 0.3296, 0.1589



44.6531, 0.2995, 0.5982

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.



17.4355, 0.1145, 0.4276



17.4355, 0.3296, 0.1589



17.4355, 0.3514, 0.6472

Square

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



17.4355, 0.3296, 0.1589



17.4355, 0.6049, 0.3932



17.4355, 0.2163, 0.6552



17.4355, 0.0734, 0.1370

Rectangle

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



17.4355, 0.3296, 0.1589



17.4355, 0.6135, 0.2779



17.4355, 0.2163, 0.6552



17.4355, 0.0808, 0.2758

Sweetspot

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



17.4408, 0.3296, 0.1589



60.3549, 0.3182, 0.2564



4.5508, 0.1509, 0.0605



12.0300, 0.3190, 0.2464



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.



17.4408, 0.3296, 0.1589



27.9379, 0.3297, 0.1590



14.1249, 0.5118, 0.2593



12.0019, 0.3143, 0.3069



10.9885, 0.3295, 0.1589



0.6166, 0.3278, 0.1579

Inverse Universe

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



17.4408, 0.3296, 0.1589



27.9379, 0.3297, 0.1590



45.7726, 0.2696, 0.4906



12.0019, 0.3143, 0.3069



10.9885, 0.3295, 0.1589



0.6166, 0.3278, 0.1579

Previews

White Background



This preview shows how the Yxy color 17.4355, 0.3296, 0.1589 looks on a white background.

Color Contrast Check

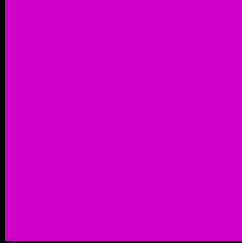
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4355, 0.3296, 0.1589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

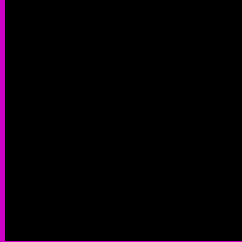
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.4355, 0.3296, 0.1589

Background



This preview shows how black text looks on a background with the Yxy color 17.4355, 0.3296, 0.1589.



This preview shows how white text looks on a background with the Yxy color 17.4355, 0.3296, 0.1589.

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

17.4355, 0.3296, 0.1589

Protanopia

18.3855, 0.1739, 0.1460

Deuteranopia

18.2074, 0.2149, 0.2093



Tritanopia

17.8342, 0.4878, 0.3234

Trichromacy



Original Color

17.4355, 0.3296, 0.1589



Protanomaly

11.7519, 0.1828, 0.1130



Deuteranomaly

13.1979, 0.2410, 0.1552



Tritanomaly

15.9297, 0.4332, 0.2425

Monochromacy



Original Color

17.4355, 0.3296, 0.1589



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

8.8378, 0.3222, 0.2005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4355, 0.3296, 0.1589 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(207, 0, 200)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 200)  
}
```

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(207, 0, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 200) }
```

Border

The CSS property to change the border of an element to Yxy 17.4355, 0.3296, 0.1589 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(207, 0, 200) }
```

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

```
.border{ border-color:rgb(207, 0, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 0, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 200);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4355, 0.3296, 0.1589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 200) }
```

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

```
.background{ background-color: rgb(207, 0,  
200) }
```

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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