

Converting Colors

$Y_{xy}(17.5692, 0.3103, 0.1556)$

Have a look what the booklet for
Yxy(17.5692, 0.3103, 0.1556)
contains.

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Color

Yxy(17.5985, 0.3098, 0.1554)

Conversions

Conversions Part 1

Format	Color
Hex	C621CF
RGB	198, 33, 207
RGB Percent	78%, 13%, 81%
CMY	0.2237, 0.8700, 0.1883
CMYK	0.04, 0.84, 0.00, 0.19
HSL	297°, 72%, 47%
HSV	297°, 84%, 81%
XYZ	35.0838, 17.5985, 60.5642
YIQ	102.1710, 42.4860, 89.0940

Conversions

Conversions Part 2

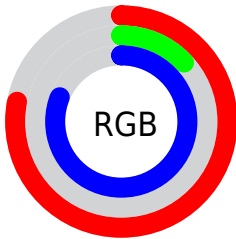
Format	Color
R _{YB}	198, 33, 207
Decimal	12984783
CIE Lab	49.01, 78.47, -52.40
CIE LCh	49, 94.360, 326.266
Yxy	17.5985, 0.3098, 0.1554
Android (android.graphics.Color)	4291174863 (0xFFC621CF)
YUV	102.1710, 51.6807, 84.0420
Hunter-Lab	41.9506, 75.8682, -56.2318

Details

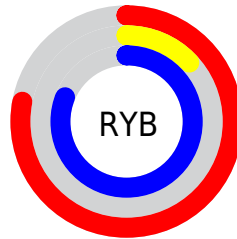
The Yxy color **17.5985, 0.3098, 0.1554** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle muted magenta. A complement of this color would be **45.2208, 0.3030, 0.5820**, and the grayscale version is **13.2070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9827, 0.3193, 0.1894**, and **7.7560, 0.2998, 0.1425** is the 20% darker color. If you saturate the color by 10%, you get **16.6321, 0.3086, 0.1492**, and if you desaturate by 10%, it is **19.2736, 0.3108, 0.1658**.

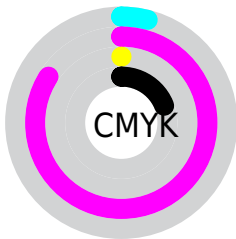
Distribution



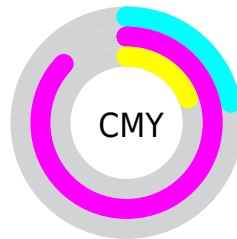
- Red (78%)
- Green (13%)
- Blue (81%)



- Red (78%)
- Yellow (13%)
- Blue (81%)



- Cyan (4%)
- Magenta (84%)
- Yellow (0%)
- Black (19%)





- Cyan (22%)
- Magenta (87%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5985, 0.3098, 0.1554 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 17.5985, 0.3098, 0.1554 by changing the saturation by 10% instead.


 17.5985, 0.3098,
0.1554


 17.5985, 0.3098,
0.1554


238.5981, 0.3166,
0.2387


 10.6621, 0.3063,
0.1367

 39.3520, 0.3136,
0.1843


 5.8401, 0.3008,
0.1142


 54.9379, 0.3146,
0.1956

 2.7481, 0.2919,
0.0874


 74.1757, 0.3153,
0.2053

 1.0017, 0.2764,
0.0564

 97.4499, 0.3158,
0.2138

 0.0000, 0.2547,
0.0000

 125.1449, 0.3161,
0.2212

 0.0000, 0.1969,
0.0000

 157.6450, 0.3163,

 0.0000, 0.0000,

0.2277

0.0000

195.3346, 0.3165,
0.2335

■ 17.5985, 0.3098,
0.1554

■ 17.5985, 0.3098,
0.1554

■ 16.6321, 0.3086,
0.1492

■ 19.2736, 0.3108,
0.1658

■ 16.2712, 0.3079,
0.1470

■ 21.7674, 0.3117,
0.1805

■ 25.1732, 0.3124,
0.1990

■ 29.5713, 0.3128,
0.2207

■ 35.0332, 0.3131,
0.2444

■ 41.6236, 0.3131,
0.2694

■ 49.4024, 0.3131,
0.2946

■ 58.4249, 0.3128,
0.3194

■ 68.7432, 0.3125,
0.3431

Harmonies

Analogous

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



17.5985, 0.1732, 0.1201



17.5985, 0.3098, 0.1554



17.5985, 0.4988, 0.2200

Triad

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



17.5985, 0.3098, 0.1554



17.5985, 0.5036, 0.4964



17.5985, 0.0781, 0.2416

Complementary

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



17.5985, 0.3098, 0.1554



45.2208, 0.3030, 0.5820

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.



17.5985, 0.1266, 0.4551



17.5985, 0.3098, 0.1554



17.5985, 0.3694, 0.6306

Square

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



17.5985, 0.3098, 0.1554



17.5985, 0.6082, 0.3826



17.5985, 0.2335, 0.6583



17.5985, 0.0744, 0.1457

Rectangle

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



17.5985, 0.3098, 0.1554



17.5985, 0.5971, 0.2711



17.5985, 0.2335, 0.6583



17.5985, 0.0879, 0.2985

Sweetspot

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



17.5993, 0.3098, 0.1554



65.2286, 0.3132, 0.2661



6.6860, 0.1620, 0.0845



13.1306, 0.3131, 0.2572



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.



17.5993, 0.3098, 0.1554



26.0559, 0.3077, 0.1469



16.0141, 0.4369, 0.2300



11.9765, 0.3130, 0.3060



10.2672, 0.3081, 0.1471



0.5839, 0.3106, 0.1484

Inverse Universe

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



14.5261, 0.5955, 0.3241



21.2897, 0.6363, 0.3279



46.0330, 0.2744, 0.4920



11.8180, 0.3283, 0.3278



8.3769, 0.6340, 0.3266



0.4720, 0.6147, 0.3160

Previews

White Background



This preview shows how the Yxy color 17.5985, 0.3098, 0.1554 looks on a white background.

Color Contrast Check

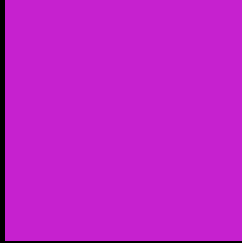
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5985, 0.3098, 0.1554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

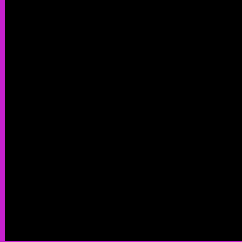
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5985, 0.3098, 0.1554

Background



This preview shows how black text looks on a background with the Yxy color 17.5985, 0.3098, 0.1554.



This preview shows how white text looks on a background with the Yxy color 17.5985, 0.3098, 0.1554.

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

17.5985, 0.3098, 0.1554

Protanopia

18.0422, 0.1739, 0.1460

Deuteranopia

18.0208, 0.2042, 0.1988



Tritanopia

17.5666, 0.4599, 0.3213

Trichromacy



Original Color

17.5985, 0.3098, 0.1554



Protanomaly

13.2644, 0.1839, 0.1238



Deuteranomaly

14.4506, 0.2263, 0.1593



Tritanomaly

16.5370, 0.4038, 0.2436

Monochromacy



Original Color

17.5985, 0.3098, 0.1554



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

12.5196, 0.3132, 0.2215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5985, 0.3098, 0.1554 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(198, 33, 207)` looks like.

```
.text, #text, p{  
    color:rgb(198, 33, 207)  
}
```

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(198, 33, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 33, 207) }
```

Border

The CSS property to change the border of an element to Yxy 17.5985, 0.3098, 0.1554 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(198, 33, 207) }
```

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

```
.border{ border-color:rgb(198, 33, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 33, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 33, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 33, 207);  
box-shadow:4px 4px 4px 4px rgb(198, 33,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5985, 0.3098, 0.1554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 33, 207) }
```

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

```
.background{ background-color: rgb(198, 33,  
207) }
```

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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