

Converting Colors

$Y_{xy}(19.0106, 0.3242, 0.1753)$

Have a look what the booklet for
Yxy(19.0106, 0.3242, 0.1753)
contains.

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Color

Yxy(18.9973, 0.3249, 0.1756)

Conversions

Conversions Part 1

Format	Color
Hex	C837C4
RGB	200, 55, 196
RGB Percent	78%, 22%, 77%
CMY	0.2157, 0.7843, 0.2314
CMYK	0.00, 0.72, 0.02, 0.22
HSL	302°, 57%, 50%
HSV	302°, 72%, 78%
XYZ	35.1493, 18.9973, 54.0384
YIQ	114.4290, 41.1590, 74.5910

Conversions

Conversions Part 2

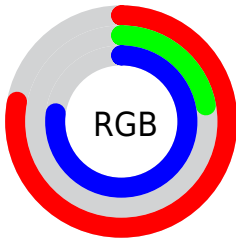
Format	Color
R _{YB}	200, 55, 196
Decimal	13121476
CIE _{Lab}	50.68, 71.46, -43.37
CIE _{LCh}	51, 83.594, 328.743
Yxy	18.9973, 0.3249, 0.1756
Android (android.graphics.Color)	4291311556 (0xFFC837C4)
YUV	114.4290, 40.2145, 75.0458
Hunter-Lab	43.5859, 67.6739, -42.9985

Details

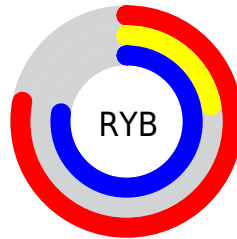
The Yxy color **18.9973, 0.3249, 0.1756** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **42.4374, 0.3006, 0.5542**, and the grayscale version is **16.8317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8426, 0.3206, 0.2008**, and **7.7038, 0.3209, 0.1542** is the 20% darker color. If you saturate the color by 10%, you get **17.4425, 0.3262, 0.1658**, and if you desaturate by 10%, it is **21.3235, 0.3234, 0.1896**.

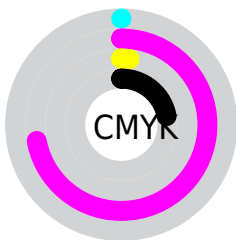
Distribution



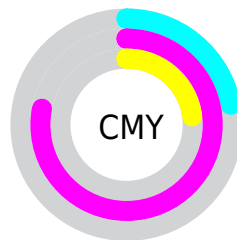
- Red (78%)
- Green (22%)
- Blue (77%)



- Red (78%)
- Yellow (22%)
- Blue (77%)



- Cyan (0%)
- Magenta (72%)
- Yellow (2%)
- Black (22%)




- Cyan (22%)
- Magenta (78%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9973, 0.3249, 0.1756 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 18.9973, 0.3249, 0.1756 by changing the saturation by 10% instead.


 18.9973, 0.3249,
0.1756


 18.9973, 0.3249,
0.1756


246.4339, 0.3223,
0.2508

 11.6683, 0.3242,
0.1580


 41.7295, 0.3249,
0.2022


 6.5183, 0.3225,
0.1364


 57.9016, 0.3246,
0.2124

 3.1627, 0.3188,
0.1096


 77.7901, 0.3243,
0.2212

 1.2173, 0.3108,
0.0767

 101.7795, 0.3239,
0.2287

 0.0757, 0.3018,
0.0102

 130.2542, 0.3235,
0.2353

 0.0000, 0.2534,
0.0000

163.5986, 0.3231,

 0.0000, 0.0000,

0.2411

0.0000

202.1970, 0.3227,
0.2462

■ 18.9973, 0.3249,
0.1756

■ 18.9973, 0.3249,
0.1756

■ 17.4425, 0.3262,
0.1658

■ 21.3235, 0.3234,
0.1896

■ 16.5568, 0.3273,
0.1602

■ 24.5014, 0.3217,
0.2074

■ 16.1962, 0.3280,
0.1580

■ 28.6043, 0.3200,
0.2282

■ 33.6967, 0.3182,
0.2511

■ 39.8375, 0.3164,
0.2751

■ 47.0809, 0.3147,
0.2993

■ 55.4775, 0.3131,
0.3232

■ 65.0746, 0.3116,
0.3461

■ 75.9170, 0.3103,
0.3676

Harmonies

Analogous

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



18.9973, 0.1958, 0.1391



18.9973, 0.3249, 0.1756



18.9973, 0.4883, 0.2389

Triad

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



18.9973, 0.3249, 0.1756



18.9973, 0.4886, 0.5043



18.9973, 0.0966, 0.2457

Complementary

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



18.9973, 0.3249, 0.1756



42.4374, 0.3006, 0.5542

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.



18.9973, 0.1427, 0.4208



18.9973, 0.3249, 0.1756



18.9973, 0.3651, 0.6036

Square

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



18.9973, 0.3249, 0.1756



18.9973, 0.5777, 0.3987



18.9973, 0.2420, 0.6002



18.9973, 0.0935, 0.1607

Rectangle

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



18.9973, 0.3249, 0.1756



18.9973, 0.5696, 0.2889



18.9973, 0.2420, 0.6002



18.9973, 0.1062, 0.2936

Sweetspot

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



18.9982, 0.3249, 0.1756



69.1815, 0.3164, 0.2755



7.7857, 0.1760, 0.1015



14.1398, 0.3169, 0.2689



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.



18.9982, 0.3249, 0.1756



29.1880, 0.3268, 0.1621



16.4956, 0.4346, 0.2481



10.8114, 0.3142, 0.3069



10.3003, 0.3279, 0.1580



0.4894, 0.3263, 0.1571

Inverse Universe

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



18.9982, 0.3249, 0.1756



29.1880, 0.3268, 0.1621



43.7311, 0.2675, 0.4456



10.8114, 0.3142, 0.3069



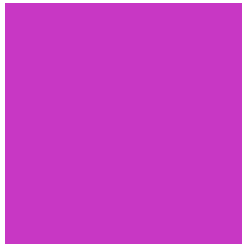
10.3003, 0.3279, 0.1580



0.4894, 0.3263, 0.1571

Previews

White Background



This preview shows how the Yxy color 18.9973, 0.3249, 0.1756 looks on a white background.

Color Contrast Check

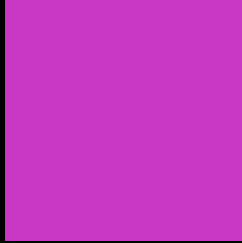
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.9973, 0.3249, 0.1756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

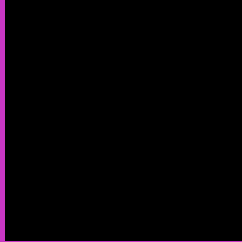
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9973, 0.3249, 0.1756

Background



This preview shows how black text looks on a background with the Yxy color 18.9973, 0.3249, 0.1756.



This preview shows how white text looks on a background with the Yxy color 18.9973, 0.3249, 0.1756.

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

18.9973, 0.3249, 0.1756

Protanopia

19.5621, 0.1735, 0.1447

Deuteranopia

19.3438, 0.2244, 0.2191



Tritanopia

18.9757, 0.4531, 0.3214

Trichromacy



Original Color

18.9973, 0.3249, 0.1756



Protanomaly

15.1350, 0.1864, 0.1341



Deuteranomaly

16.9342, 0.2504, 0.1874



Tritanomaly

18.3112, 0.4060, 0.2580

Monochromacy



Original Color

18.9973, 0.3249, 0.1756



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

15.8621, 0.3181, 0.2446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9973, 0.3249, 0.1756 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(200, 55, 196)` looks like.

```
.text, #text, p{  
    color:rgb(200, 55, 196)  
}
```

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(200, 55, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 55, 196) }
```

Border

The CSS property to change the border of an element to Yxy 18.9973, 0.3249, 0.1756 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(200, 55, 196) }
```

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

```
.border{ border-color:rgb(200, 55, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 55, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 55, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 55, 196);  
box-shadow:4px 4px 4px 4px rgb(200, 55,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9973, 0.3249, 0.1756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 55, 196) }
```

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

```
.background{ background-color: rgb(200, 55,  
196) }
```

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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