

Converting Colors

$Y_{xy}(19.2828, 0.3673, 0.1967)$

Have a look what the booklet for
Yxy(19.2828, 0.3673, 0.1967)
contains.

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Color

Yxy(19.3283, 0.3670, 0.1966)

Conversions

Conversions Part 1

Format	Color
Hex	D431B0
RGB	212, 49, 176
RGB Percent	83%, 19%, 69%
CMY	0.1687, 0.8076, 0.3098
CMYK	0.00, 0.77, 0.17, 0.17
HSL	313°, 65%, 51%
HSV	313°, 77%, 83%
XYZ	36.0808, 19.3283, 42.9037
YIQ	112.2150, 56.3810, 74.0530

Conversions

Conversions Part 2

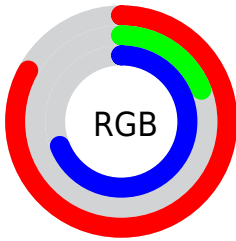
Format	Color
R _Y B	212, 49, 176
Decimal	13906352
CIE Lab	51.07, 72.94, -30.99
CIE LCh	51, 79.253, 336.983
Yxy	19.3283, 0.3670, 0.1966
Android (android.graphics.Color)	4292096432 (0xFFD431B0)
YUV	112.2150, 31.4460, 87.5114
Hunter-Lab	43.9640, 69.5563, -27.0854

Details

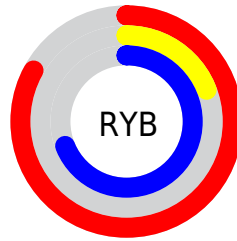
The Yxy color **19.3283, 0.3670, 0.1966** is a light color, and the websafe version is hex **CC0099**. The color can be described as light muted rose. A complement of this color would be **48.3853, 0.2894, 0.5295**, and the grayscale version is **16.1707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6745, 0.3406, 0.2139**, and **8.2024, 0.3768, 0.1849** is the 20% darker color. If you saturate the color by 10%, you get **17.7697, 0.3757, 0.1911**, and if you desaturate by 10%, it is **21.7286, 0.3582, 0.2067**.

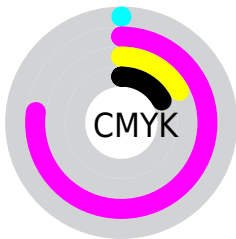
Distribution



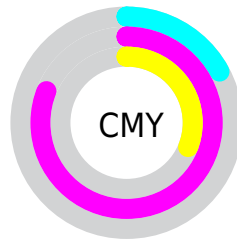
- Red (83%)
- Green (19%)
- Blue (69%)



- Red (83%)
- Yellow (19%)
- Blue (69%)



- Cyan (0%)
- Magenta (77%)
- Yellow (17%)
- Black (17%)





- Cyan (17%)
- Magenta (81%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.3283, 0.3670, 0.1966 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 19.3283, 0.3670, 0.1966 by changing the saturation by 10% instead.


 19.3283, 0.3670,
0.1966


 19.3283, 0.3670,
0.1966

248.2552, 0.3401,
0.2632


 11.9077, 0.3734,
0.1803


 42.2881, 0.3574,
0.2207


 6.6809, 0.3814,
0.1597


 58.5962, 0.3537,
0.2298


 3.2633, 0.3915,
0.1333


 78.6355, 0.3506,
0.2375

 1.2707, 0.4041,
0.0990

 102.7905, 0.3479,
0.2441

 0.1184, 0.4339,
0.0215

 131.4456, 0.3456,
0.2499

 0.0000, 0.4343,
0.0000

164.9851, 0.3435,

 0.0000, 0.0000,

0.2549

0.0000

203.7935, 0.3417,
0.2593

■ 19.3283, 0.3670,
0.1966

■ 19.3283, 0.3670,
0.1966

■ 17.7697, 0.3757,
0.1911

■ 21.7286, 0.3582,
0.2067

■ 16.9147, 0.3841,
0.1902

■ 25.0709, 0.3495,
0.2206

■ 16.7162, 0.3868,
0.1904

■ 29.4448, 0.3413,
0.2376

■ 34.9286, 0.3338,
0.2564

■ 41.5927, 0.3270,
0.2763

■ 49.5022, 0.3210,
0.2964

■ 58.7170, 0.3158,
0.3160

■ 69.2933, 0.3114,
0.3348

■ 81.2840, 0.3076,
0.3525

Harmonies

Analogous

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



19.3283, 0.2298, 0.1530



19.3283, 0.3670, 0.1966



19.3283, 0.5155, 0.2635

Triad

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



19.3283, 0.3670, 0.1966



19.3283, 0.4537, 0.5284



19.3283, 0.1002, 0.2212

Complementary

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



19.3283, 0.3670, 0.1966



48.3853, 0.2894, 0.5295

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.



19.3283, 0.1333, 0.3635



19.3283, 0.3670, 0.1966



19.3283, 0.3346, 0.6044

Square

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



19.3283, 0.3670, 0.1966



19.3283, 0.5502, 0.4265



19.3283, 0.2178, 0.5481



19.3283, 0.1057, 0.1563

Rectangle

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



19.3283, 0.3670, 0.1966



19.3283, 0.5745, 0.3137



19.3283, 0.2178, 0.5481



19.3283, 0.1062, 0.2588

Sweetspot

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



19.3293, 0.3670, 0.1966



67.3117, 0.3248, 0.2836



8.8547, 0.1881, 0.0999



13.5170, 0.3270, 0.2762



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.



19.3293, 0.3670, 0.1966



26.0958, 0.3809, 0.1901



17.0248, 0.5061, 0.2842



12.5836, 0.3171, 0.3110



10.3380, 0.3856, 0.1898



0.6354, 0.3723, 0.1824

Inverse Universe

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



19.3293, 0.3670, 0.1966



26.0958, 0.3809, 0.1901



50.4753, 0.2510, 0.3999



12.5836, 0.3171, 0.3110



10.3380, 0.3856, 0.1898



0.6354, 0.3723, 0.1824

Previews

White Background



This preview shows how the Yxy color 19.3283, 0.3670, 0.1966 looks on a white background.

Color Contrast Check

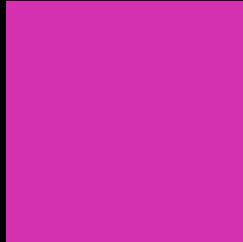
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3283, 0.3670, 0.1966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

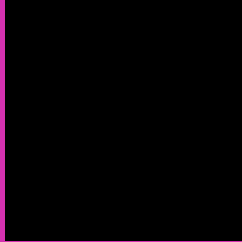
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3283, 0.3670, 0.1966

Background



This preview shows how black text looks on a background with the Yxy color 19.3283, 0.3670, 0.1966.



This preview shows how white text looks on a background with the Yxy color 19.3283, 0.3670, 0.1966.

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

19.3283, 0.3670, 0.1966

Protanopia

19.9764, 0.1878, 0.1627

Deuteranopia

19.6791, 0.2550, 0.2506



Tritanopia

19.3941, 0.4928, 0.3237

Trichromacy



Original Color

19.3283, 0.3670, 0.1966



Protanomaly

16.3363, 0.2208, 0.1580



Deuteranomaly

17.1977, 0.2881, 0.2136



Tritanomaly

18.8536, 0.4488, 0.2713

Monochromacy



Original Color

19.3283, 0.3670, 0.1966



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.1899, 0.3352, 0.2526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3283, 0.3670, 0.1966 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(212, 49, 176)` looks like.

```
.text, #text, p{  
    color:rgb(212, 49, 176)  
}
```

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(212, 49, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 49, 176) }
```

Border

The CSS property to change the border of an element to Yxy 19.3283, 0.3670, 0.1966 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(212, 49, 176) }
```

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

```
.border{ border-color:rgb(212, 49, 176) }
```

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

Here you see how a box with a 4 pixel rgb(212, 49, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 49, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 49, 176);  
box-shadow:4px 4px 4px 4px rgb(212, 49,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3283, 0.3670, 0.1966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 49, 176) }
```

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

```
.background{ background-color: rgb(212, 49,  
176) }
```

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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