

Converting Colors

$Y_{xy}(16.2567, 0.4131, 0.2171)$

Have a look what the booklet for
Yxy(16.2567, 0.4131, 0.2171)
contains.

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Color

Yxy(16.3070, 0.4145, 0.2180)

Conversions

Conversions Part 1

Format	Color
Hex	CE238F
RGB	206, 35, 143
RGB Percent	81%, 14%, 56%
CMY	0.1923, 0.8624, 0.4393
CMYK	0.00, 0.83, 0.31, 0.19
HSL	322°, 71%, 47%
HSV	322°, 83%, 81%
XYZ	31.0057, 16.3070, 27.4900
YIQ	98.4410, 67.2480, 69.8400

Conversions

Conversions Part 2

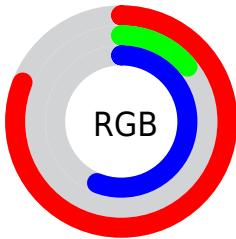
Format	Color
R_{YB}	206, 35, 143
Decimal	13509519
CIE _{Lab}	47.37, 71.03, -17.14
CIE _{LCh}	47, 73.067, 346.434
Yxy	16.3070, 0.4145, 0.2180
Android (android.graphics.Color)	4291699599 (0xFFCE238F)
YUV	98.4410, 21.9676, 94.3292
Hunter-Lab	40.3819, 66.3861, -12.0943

Details

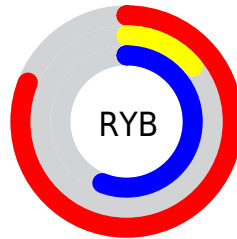
The Yxy color **16.3070, 0.4145, 0.2180** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark muted rose. A complement of this color would be **45.3728, 0.2794, 0.5077**, and the grayscale version is **12.2720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7940, 0.3803, 0.2360**, and **6.9934, 0.4382, 0.2188** is the 20% darker color. If you saturate the color by 10%, you get **15.2057, 0.4310, 0.2184**, and if you desaturate by 10%, it is **18.1366, 0.3979, 0.2228**.

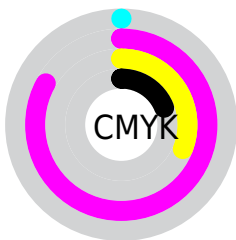
Distribution



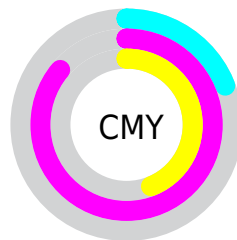
- Red (81%)
- Green (14%)
- Blue (56%)



- Red (81%)
- Yellow (14%)
- Blue (56%)



- Cyan (0%)
- Magenta (83%)
- Yellow (31%)
- Black (19%)





- Cyan (19%)
- Magenta (86%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3070, 0.4145, 0.2180 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 16.3070, 0.4145, 0.2180 by changing the saturation by 10% instead.


 16.3070, 0.4145,
0.2180


 16.3070, 0.4145,
0.2180


231.1465, 0.3580,
0.2774


 9.7417, 0.4306,
0.2021


 37.1304, 0.3926,
0.2404


 5.2280, 0.4525,
0.1812


 52.1572, 0.3848,
0.2486


 2.3817, 0.4838,
0.1527

 70.7732, 0.3783,
0.2554

 0.8164, 0.5316,
0.1126

 93.3630, 0.3729,
0.2612

 0.0000, 0.6475,
0.0000

 120.3108, 0.3684,
0.2661

 0.0000, 1.0000,
0.0000

 152.0010, 0.3644,

 0.0000, 0.0000,

0.2703

0.0000

188.8181, 0.3610,
0.2741

■ 16.3070, 0.4145,
0.2180

■ 16.3070, 0.4145,
0.2180

■ 15.2057, 0.4310,
0.2184

■ 18.1366, 0.3979,
0.2228

■ 14.7309, 0.4424,
0.2211

■ 20.8004, 0.3818,
0.2320

■ 24.3898, 0.3668,
0.2446

■ 28.9832, 0.3532,
0.2596

■ 34.6508, 0.3413,
0.2758

■ 41.4563, 0.3309,
0.2924

■ 49.4585, 0.3221,
0.3088

■ 58.7122, 0.3147,
0.3245

■ 69.2685, 0.3085,
0.3394

Harmonies

Analogous

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



16.3070, 0.2690, 0.1663



16.3070, 0.4145, 0.2180



16.3070, 0.5440, 0.2885

Triad

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



16.3070, 0.4145, 0.2180



16.3070, 0.4169, 0.5554



16.3070, 0.1016, 0.1969

Complementary

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



16.3070, 0.4145, 0.2180



45.3728, 0.2794, 0.5077

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.



16.3070, 0.1212, 0.3104



16.3070, 0.4145, 0.2180



16.3070, 0.2985, 0.5993

Square

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



16.3070, 0.4145, 0.2180



16.3070, 0.5218, 0.4574



16.3070, 0.1890, 0.4907



16.3070, 0.1173, 0.1498

Rectangle

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



16.3070, 0.4145, 0.2180



16.3070, 0.5793, 0.3397



16.3070, 0.1890, 0.4907



16.3070, 0.1037, 0.2258

Sweetspot

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



16.3079, 0.4145, 0.2180



64.4284, 0.3332, 0.2885



8.2449, 0.1992, 0.0981



12.9382, 0.3369, 0.2826



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.



16.3079, 0.4145, 0.2180



23.8329, 0.4443, 0.2221



14.6297, 0.5724, 0.3124



11.3308, 0.3193, 0.3145



9.0926, 0.4401, 0.2198



0.4834, 0.4109, 0.2037

Inverse Universe

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



16.3079, 0.4145, 0.2180



23.8329, 0.4443, 0.2221



47.9161, 0.2378, 0.3637



11.3308, 0.3193, 0.3145



9.0926, 0.4401, 0.2198



0.4834, 0.4109, 0.2037

Previews

White Background



This preview shows how the Yxy color 16.3070, 0.4145, 0.2180 looks on a white background.

Color Contrast Check

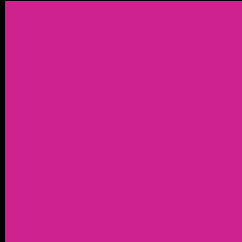
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3070, 0.4145, 0.2180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

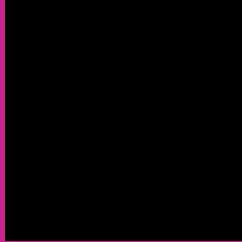
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3070, 0.4145, 0.2180

Background



This preview shows how black text looks on a background with the Yxy color 16.3070, 0.4145, 0.2180.



This preview shows how white text looks on a background with the Yxy color 16.3070, 0.4145, 0.2180.

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

16.3070, 0.4145, 0.2180

Protanopia

16.8503, 0.2063, 0.1874

Deuteranopia

16.6675, 0.2895, 0.2850



Tritanopia

16.4895, 0.5334, 0.3265

Trichromacy



Original Color

16.3070, 0.4145, 0.2180



Protanomaly

13.5718, 0.2527, 0.1786



Deuteranomaly

14.1957, 0.3317, 0.2398



Tritanomaly

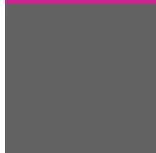
16.0689, 0.4951, 0.2845

Monochromacy



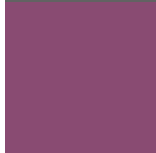
Original Color

16.3070, 0.4145, 0.2180



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.5654, 0.3546, 0.2584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3070, 0.4145, 0.2180 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(206, 35, 143)` looks like.

```
.text, #text, p{  
  color:rgb(206, 35, 143)  
}
```

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(206, 35, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 35, 143) }
```

Border

The CSS property to change the border of an element to Yxy 16.3070, 0.4145, 0.2180 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(206, 35, 143) }
```

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

```
.border{ border-color:rgb(206, 35, 143) }
```

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

Here you see how a box with a 4 pixel rgb(206, 35, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 35, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 35, 143);  
box-shadow:4px 4px 4px 4px rgb(206, 35,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3070, 0.4145, 0.2180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 35, 143) }
```

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

```
.background{ background-color: rgb(206, 35,  
143) }
```

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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