

Converting Colors

$Y_{xy}(18.1619, 0.4327, 0.2417)$

Have a look what the booklet for
Yxy(18.1619, 0.4327, 0.2417)
contains.

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Color

Yxy(18.1163, 0.4331, 0.2419)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | D33586 |
| RGB | 211, 53, 134 |
| RGB Percent | 83%, 21%, 53% |
| CMY | 0.1726, 0.7920, 0.4745 |
| CMYK | 0.00, 0.75, 0.36, 0.17 |
| HSL | 329°, 64%, 52% |
| HSV | 329°, 75%, 83% |
| XYZ | 32.4356, 18.1163, 24.3398 |
| YIQ | 109.4760, 68.1670, 58.6870 |

Conversions

Conversions Part 2

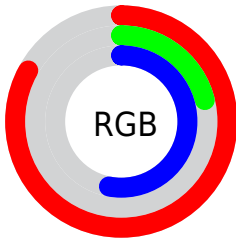
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 211, 53, 134 |
| Decimal | 13841798 |
| CIE _{Lab} | 49.64, 66.49, -8.21 |
| CIE _{LCh} | 50, 66.995, 352.958 |
| Yxy | 18.1163, 0.4331, 0.2419 |
| Android (android.graphics.Color) | 4292031878 (0xFFD33586) |
| YUV | 109.4760, 12.0903, 89.0365 |
| Hunter-Lab | 42.5632, 61.5414, -4.1107 |

Details

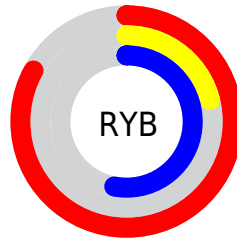
The Yxy color **18.1163, 0.4331, 0.2419** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **48.9491, 0.2696, 0.4583**, and the grayscale version is **15.3912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8825, 0.3897, 0.2556**, and **7.2194, 0.4693, 0.2359** is the 20% darker color. If you saturate the color by 10%, you get **16.3240, 0.4571, 0.2407**, and if you desaturate by 10%, it is **20.7847, 0.4099, 0.2479**.

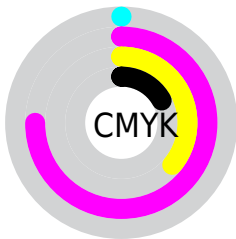
Distribution



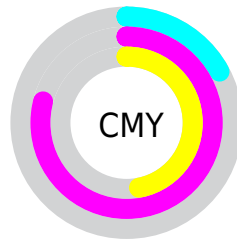
- Red (83%)
- Green (21%)
- Blue (53%)



- Red (83%)
- Yellow (21%)
- Blue (53%)



- Cyan (0%)
- Magenta (75%)
- Yellow (36%)
- Black (17%)





- Cyan (17%)
- Magenta (79%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1163, 0.4331, 0.2419 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 18.1163, 0.4331, 0.2419 by changing the saturation by 10% instead.


 18.1163, 0.4331,
0.2419


 18.1163, 0.4331,
0.2419


241.5258, 0.3654,
0.2895


 11.0335, 0.4528,
0.2286


 40.2354, 0.4065,
0.2602


 6.0894, 0.4800,
0.2108


 56.0405, 0.3971,
0.2668

 2.8995, 0.5195,
0.1858

 75.5218, 0.3894,
0.2722

 1.0795, 0.5811,
0.1488

 99.0638, 0.3830,
0.2768

 0.0000, 0.7748,
0.0000

 127.0508, 0.3776,
0.2807

 0.0000, 1.0000,
0.0000

159.8672, 0.3729,

 0.0000, 0.0000,

0.2840

0.0000

197.8974, 0.3689,
0.2870

■ 18.1163, 0.4331,
0.2419

■ 18.1163, 0.4331,
0.2419

■ 16.3240, 0.4571,
0.2407

■ 20.7847, 0.4099,
0.2479

■ 15.2837, 0.4806,
0.2450


■ 24.4257, 0.3885,
0.2575

■ 14.9316, 0.4924,
0.2486


■ 29.1260, 0.3693,
0.2695

■ 34.9619, 0.3527,
0.2827

■ 42.0027, 0.3386,
0.2964

 50.3121, 0.3268,
0.3100

 59.9491, 0.3169,
0.3230

 70.9691, 0.3087,
0.3352

 83.4244, 0.3020,
0.3465

Harmonies

Analogous

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



18.1163, 0.3005, 0.1881



18.1163, 0.4331, 0.2419



18.1163, 0.5346, 0.3112

Triad

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



18.1163, 0.4331, 0.2419



18.1163, 0.3920, 0.5515



18.1163, 0.1180, 0.1970

Complementary

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



18.1163, 0.4331, 0.2419



48.9491, 0.2696, 0.4583

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.



18.1163, 0.1304, 0.2869



18.1163, 0.4331, 0.2419



18.1163, 0.2821, 0.5565

Square

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



18.1163, 0.4331, 0.2419



18.1163, 0.4904, 0.4735



18.1163, 0.1855, 0.4359



18.1163, 0.1397, 0.1606

Rectangle

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



18.1163, 0.4331, 0.2419



18.1163, 0.5549, 0.3615



18.1163, 0.1855, 0.4359



18.1163, 0.1181, 0.2199

Sweetspot

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



18.1173, 0.4331, 0.2419



67.6431, 0.3353, 0.3000



11.9493, 0.2286, 0.1234



13.7735, 0.3388, 0.2963



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.



18.1173, 0.4331, 0.2419



23.9640, 0.4716, 0.2427



16.6786, 0.5664, 0.3276



11.9080, 0.3211, 0.3171



9.0339, 0.4892, 0.2469



0.5211, 0.4501, 0.2253

Inverse Universe

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



18.1173, 0.4331, 0.2419



23.9640, 0.4716, 0.2427



51.9078, 0.2318, 0.3325



11.9080, 0.3211, 0.3171



9.0339, 0.4892, 0.2469



0.5211, 0.4501, 0.2253

Previews

White Background



This preview shows how the Yxy color 18.1163, 0.4331, 0.2419 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 18.1163, 0.4331, 0.2419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

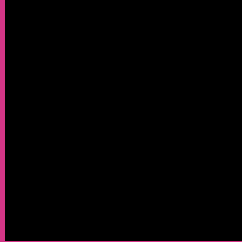
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1163, 0.4331, 0.2419

Background



This preview shows how black text looks on a background with the Yxy color 18.1163, 0.4331, 0.2419.



This preview shows how white text looks on a background with the Yxy color 18.1163, 0.4331, 0.2419.

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

18.1163, 0.4331, 0.2419

Protanopia

18.5496, 0.2367, 0.2258

Deuteranopia

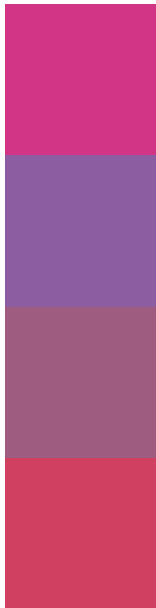
18.2799, 0.3149, 0.3087



Tritanopia

18.1401, 0.5231, 0.3254

Trichromacy



Original Color

18.1163, 0.4331, 0.2419

Protanomaly

16.1541, 0.2906, 0.2209

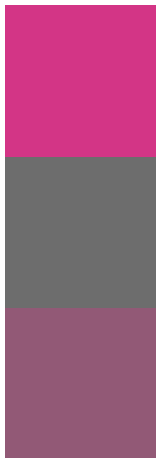
Deuteranomaly

16.5084, 0.3577, 0.2697

Tritanomaly

17.9212, 0.4925, 0.2946

Monochromacy



Original Color

18.1163, 0.4331, 0.2419

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.5638, 0.3580, 0.2789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1163, 0.4331, 0.2419 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(211, 53, 134)` looks like.

```
.text, #text, p{  
    color:rgb(211, 53, 134)  
}
```

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(211, 53, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 53, 134) }
```

Border

The CSS property to change the border of an element to Yxy 18.1163, 0.4331, 0.2419 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(211, 53, 134) }
```

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

```
.border{ border-color:rgb(211, 53, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 53, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 53, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 53, 134);  
box-shadow:4px 4px 4px 4px rgb(211, 53,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1163, 0.4331, 0.2419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 53, 134) }
```

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

```
.background{ background-color: rgb(211, 53,  
134) }
```

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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