

Converting Colors

$Y_{xy}(18.5045, 0.4925, 0.2828)$

Have a look what the booklet for
Yxy(18.5045, 0.4925, 0.2828)
contains.

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Color

Yxy(18.5045, 0.4925, 0.2828)

Conversions

Conversions Part 1

Format	Color
Hex	D83967
RGB	216, 57, 103
RGB Percent	85%, 22%, 40%
CMY	0.1530, 0.7763, 0.5961
CMYK	0.00, 0.74, 0.52, 0.15
HSL	343°, 67%, 54%
HSV	343°, 74%, 85%
XYZ	32.2258, 18.5045, 14.7028
YIQ	109.7850, 79.9980, 48.0140

Conversions

Conversions Part 2

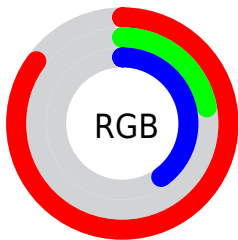
Format	Color
R_{YB}	216, 57, 103
Decimal	14170471
CIE _{Lab}	50.10, 63.73, 11.36
CIE _{LCh}	50, 64.733, 10.110
Yxy	18.5045, 0.4925, 0.2828
Android (android.graphics.Color)	4292360551 (0xFFD83967)
YUV	109.7850, -3.3450, 93.1506
Hunter-Lab	43.0169, 58.4428, 9.8469

Details

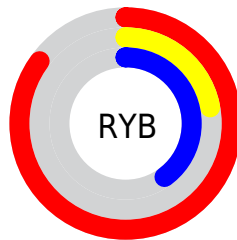
The Yxy color **18.5045, 0.4925, 0.2828** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **52.8767, 0.2521, 0.3980**, and the grayscale version is **15.5258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0839, 0.4295, 0.2907**, and **7.2640, 0.5474, 0.2789** is the 20% darker color. If you saturate the color by 10%, you get **16.5230, 0.5296, 0.2853**, and if you desaturate by 10%, it is **21.4525, 0.4559, 0.2845**.

Distribution



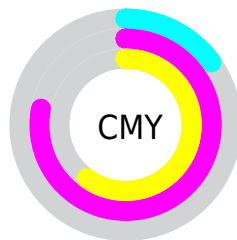
- Red (85%)
- Green (22%)
- Blue (40%)



- Red (85%)
- Yellow (22%)
- Blue (40%)



- Cyan (0%)
- Magenta (74%)
- Yellow (52%)
- Black (15%)




- Cyan (15%)
- Magenta (78%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5045, 0.4925, 0.2828 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 18.5045, 0.4925, 0.2828 by changing the saturation by 10% instead.


 18.5045, 0.4925,
0.2828


 18.5045, 0.4925,
0.2828


243.6995, 0.3892,
0.3122


 11.3128, 0.5230,
0.2728


 40.8951, 0.4515,
0.2953


 6.2776, 0.5650,
0.2581


 56.8628, 0.4372,
0.2994


 3.0146, 0.6253,
0.2349

 76.5247, 0.4255,
0.3027

 1.1394, 0.7270,
0.1990

 100.2650, 0.4157,
0.3053

 0.0113, 0.9937,
0.0063

 128.4683, 0.4075,
0.3075

 0.0000, 1.0000,
0.0000

161.5188, 0.4005,

 0.0000, 0.0000,

0.3093

0.0000

199.8011, 0.3945,
0.3108

■ 18.5045, 0.4925,
0.2828

■ 18.5045, 0.4925,
0.2828

■ 16.5230, 0.5296,
0.2853

■ 21.4525, 0.4559,
0.2845

■ 15.3776, 0.5635,
0.2923


■ 25.4690, 0.4222,
0.2893

■ 14.9487, 0.5826,
0.2983

■ 30.6466, 0.3928,
0.2959


■ 37.0667, 0.3680,
0.3036

■ 44.8036, 0.3475,
0.3114

 53.9255, 0.3307,
0.3192

 64.4960, 0.3170,
0.3265

 76.5747, 0.3058,
0.3333

 90.2177, 0.2968,
0.3396

Harmonies

Analogous

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



18.5045, 0.3735, 0.2198



18.5045, 0.4925, 0.2828



18.5045, 0.5461, 0.3553

Triad

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



18.5045, 0.4925, 0.2828



18.5045, 0.3306, 0.5592



18.5045, 0.1315, 0.1761

Complementary

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



18.5045, 0.4925, 0.2828



52.8767, 0.2521, 0.3980

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.



18.5045, 0.1244, 0.2320



18.5045, 0.4925, 0.2828



18.5045, 0.2272, 0.4917

Square

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



18.5045, 0.4925, 0.2828



18.5045, 0.4349, 0.5169



18.5045, 0.1537, 0.3457



18.5045, 0.1725, 0.1614

Rectangle

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



18.5045, 0.4925, 0.2828



18.5045, 0.5344, 0.4076



18.5045, 0.1537, 0.3457



18.5045, 0.1255, 0.1893

Sweetspot

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



18.5056, 0.4925, 0.2828



66.9732, 0.3450, 0.3125



16.2450, 0.2665, 0.1440



13.6164, 0.3500, 0.3104



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.



18.5056, 0.4925, 0.2828



23.0541, 0.5480, 0.2884



22.0083, 0.5344, 0.3606



12.4793, 0.3246, 0.3223



8.8662, 0.5787, 0.2961



0.5491, 0.5287, 0.2686

Inverse Universe

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



18.5056, 0.4925, 0.2828



23.0541, 0.5480, 0.2884



40.1893, 0.2194, 0.2820



12.4793, 0.3246, 0.3223



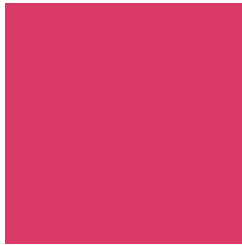
8.8662, 0.5787, 0.2961



0.5491, 0.5287, 0.2686

Previews

White Background



This preview shows how the Yxy color 18.5045, 0.4925, 0.2828 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 18.5045, 0.4925, 0.2828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

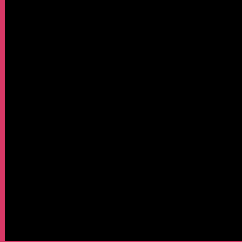
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5045, 0.4925, 0.2828

Background



This preview shows how black text looks on a background with the Yxy color 18.5045, 0.4925, 0.2828.

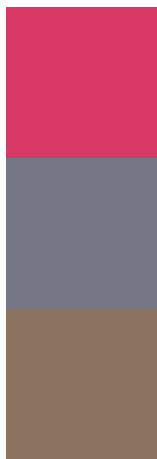


This preview shows how white text looks on a background with the Yxy color 18.5045, 0.4925, 0.2828.

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

18.5045, 0.4925, 0.2828

Protanopia

18.7248, 0.2924, 0.2991

Deuteranopia

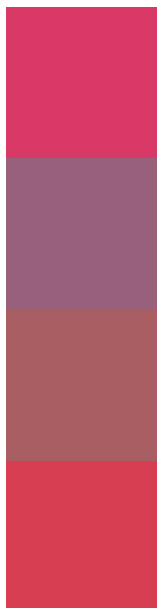
18.6631, 0.3720, 0.3652



Tritanopia

18.4941, 0.5420, 0.3269

Trichromacy



Original Color

18.5045, 0.4925, 0.2828

Protanomaly

16.5681, 0.3584, 0.2842

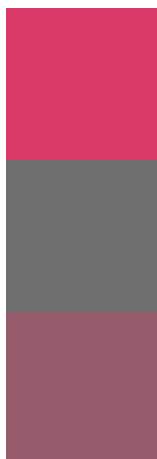
Deuteranomaly

17.2121, 0.4197, 0.3231

Tritanomaly

18.4864, 0.5256, 0.3111

Monochromacy



Original Color

18.5045, 0.4925, 0.2828

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

14.9333, 0.3794, 0.3015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5045, 0.4925, 0.2828 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(216, 57, 103)` looks like.

```
.text, #text, p{  
    color:rgb(216, 57, 103)  
}
```

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(216, 57, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 57, 103) }
```

Border

The CSS property to change the border of an element to Yxy 18.5045, 0.4925, 0.2828 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(216, 57, 103) }
```

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

```
.border{ border-color:rgb(216, 57, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 57, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 57, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 57, 103);  
box-shadow:4px 4px 4px 4px rgb(216, 57,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5045, 0.4925, 0.2828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 57, 103) }
```

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

```
.background{ background-color: rgb(216, 57,  
103) }
```

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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