

Converting Colors

$Y_{xy}(18.5062, 0.4125, 0.2107)$

Have a look what the booklet for
Yxy(18.5062, 0.4125, 0.2107)
contains.

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Color

Yxy(18.4677, 0.4122, 0.2105)

Conversions

Conversions Part 1

Format	Color
Hex	DD199C
RGB	221, 25, 156
RGB Percent	87%, 10%, 61%
CMY	0.1334, 0.9017, 0.3883
CMYK	0.00, 0.89, 0.29, 0.13
HSL	320°, 80%, 48%
HSV	320°, 89%, 87%
XYZ	36.1634, 18.4677, 33.1015
YIQ	98.5380, 74.7650, 82.2930

Conversions

Conversions Part 2

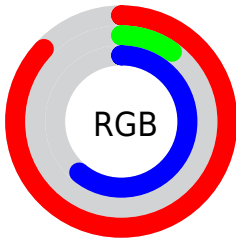
Format	Color
R_{YB}	221, 25, 156
Decimal	14490012
CIE _{Lab}	50.06, 77.57, -20.59
CIE _{LCh}	50, 80.260, 345.138
Yxy	18.4677, 0.4122, 0.2105
Android (android.graphics.Color)	4292680092 (0xFFDD199C)
YUV	98.5380, 28.3288, 107.3992
Hunter-Lab	42.9741, 75.0060, -15.5873

Details

The Yxy color **18.4677, 0.4122, 0.2105** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **52.6549, 0.2835, 0.5311**, and the grayscale version is **12.2795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0775, 0.3643, 0.2220**, and **8.5970, 0.4316, 0.2151** is the 20% darker color. If you saturate the color by 10%, you get **17.5938, 0.4264, 0.2128**, and if you desaturate by 10%, it is **20.0733, 0.3977, 0.2130**.

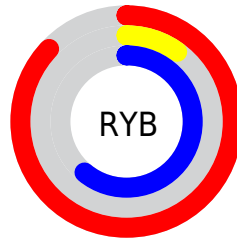
Distribution



Red (87%)

Green (10%)

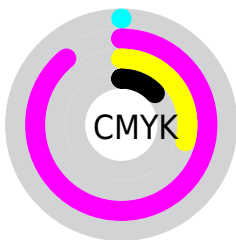
Blue (61%)



Red (87%)

Yellow (10%)

Blue (61%)

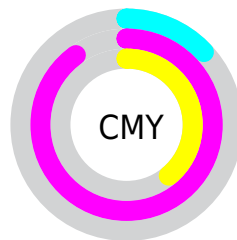


Cyan (0%)

Magenta (89%)

Yellow (29%)

Black (13%)



Cyan (13%)


Magenta (90%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4677, 0.4122, 0.2105 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 18.4677, 0.4122, 0.2105 by changing the saturation by 10% instead.


 18.4677, 0.4122,
0.2105


 18.4677, 0.4122,
0.2105


243.4942, 0.3586,
0.2720


 11.2863, 0.4268,
0.1948


 40.8327, 0.3918,
0.2332


 6.2597, 0.4461,
0.1745


 56.7850, 0.3845,
0.2416

 3.0037, 0.4730,
0.1477


 76.4298, 0.3783,
0.2487

 1.1336, 0.5121,
0.1115

 100.1515, 0.3731,
0.2548

 0.0065, 0.6100,
0.0016

 128.3343, 0.3687,
0.2599

 0.0000, 0.7787,
0.0000

 161.3628, 0.3649,

 0.0000, 0.0000,

0.2645

0.0000

199.6213, 0.3616,
0.2684

■ 18.4677, 0.4122,
0.2105

■ 18.4677, 0.4122,
0.2105

■ 17.5938, 0.4264,
0.2128

■ 20.0733, 0.3977,
0.2130

■ 17.4978, 0.4283,
0.2133

■ 22.5875, 0.3832,
0.2204

■ 26.1304, 0.3693,
0.2318

■ 30.8027, 0.3564,
0.2464

■ 36.6931, 0.3448,
0.2628

■ 43.8814, 0.3346,
0.2802

■ 52.4406, 0.3258,
0.2977

■ 62.4383, 0.3183,
0.3148

■ 73.9375, 0.3119,
0.3312

Harmonies

Analogous

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



18.4677, 0.2608, 0.1589



18.4677, 0.4122, 0.2105



18.4677, 0.5514, 0.2818

Triad

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



18.4677, 0.4122, 0.2105



18.4677, 0.4224, 0.5589



18.4677, 0.0947, 0.1938

Complementary

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



18.4677, 0.4122, 0.2105



52.6549, 0.2835, 0.5311

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.



18.4677, 0.1155, 0.3151



18.4677, 0.4122, 0.2105



18.4677, 0.2996, 0.6152

Square

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



18.4677, 0.4122, 0.2105



18.4677, 0.5315, 0.4535



18.4677, 0.1863, 0.5090



18.4677, 0.1095, 0.1443

Rectangle

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



18.4677, 0.4122, 0.2105



18.4677, 0.5904, 0.3334



18.4677, 0.1863, 0.5090



18.4677, 0.0972, 0.2244

Sweetspot

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



18.4687, 0.4122, 0.2105



62.2759, 0.3333, 0.2827



7.9503, 0.1839, 0.0843



12.5324, 0.3365, 0.2766



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.



18.4687, 0.4122, 0.2105



24.1767, 0.4293, 0.2139



16.4060, 0.5811, 0.3075



13.1975, 0.3188, 0.3135



10.1876, 0.4262, 0.2121



0.6757, 0.4048, 0.2003

Inverse Universe

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



18.4687, 0.4122, 0.2105



24.1767, 0.4293, 0.2139



55.4210, 0.2411, 0.3816



13.1975, 0.3188, 0.3135



10.1876, 0.4262, 0.2121



0.6757, 0.4048, 0.2003

Previews

White Background



This preview shows how the Yxy color 18.4677, 0.4122, 0.2105 looks on a white background.

Color Contrast Check

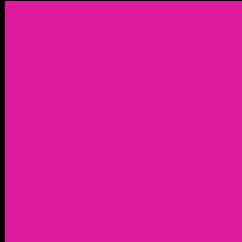
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4677, 0.4122, 0.2105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

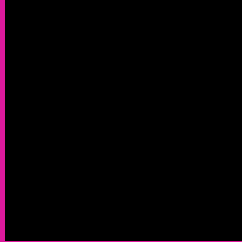
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4677, 0.4122, 0.2105

Background



This preview shows how black text looks on a background with the Yxy color 18.4677, 0.4122, 0.2105.



This preview shows how white text looks on a background with the Yxy color 18.4677, 0.4122, 0.2105.

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

18.4677, 0.4122, 0.2105

Protanopia

19.1391, 0.1963, 0.1734

Deuteranopia

18.7198, 0.2831, 0.2766



Tritanopia

18.6450, 0.5428, 0.3269

Trichromacy



Original Color

18.4677, 0.4122, 0.2105



Protanomaly

14.6861, 0.2394, 0.1628



Deuteranomaly

15.6106, 0.3259, 0.2273



Tritanomaly

17.9530, 0.5021, 0.2812

Monochromacy



Original Color

18.4677, 0.4122, 0.2105



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

11.8304, 0.3547, 0.2464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4677, 0.4122, 0.2105 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(221, 25, 156)` looks like.

```
.text, #text, p{  
    color:rgb(221, 25, 156)  
}
```

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(221, 25, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 25, 156) }
```

Border

The CSS property to change the border of an element to Yxy 18.4677, 0.4122, 0.2105 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(221, 25, 156) }
```

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

```
.border{ border-color:rgb(221, 25, 156) }
```

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

Here you see how a box with a 4 pixel rgb(221, 25, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 25, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 25, 156);  
box-shadow:4px 4px 4px 4px rgb(221, 25,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4677, 0.4122, 0.2105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 25, 156) }
```

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

```
.background{ background-color: rgb(221, 25,  
156) }
```

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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