

Converting Colors

$Y_{xy}(15.8522, 0.4065, 0.2097)$

Have a look what the booklet for
Yxy(15.8522, 0.4065, 0.2097)
contains.

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Color

Yxy(15.9162, 0.4070, 0.2099)

Conversions

Conversions Part 1

Format	Color
Hex	CD1C93
RGB	205, 28, 147
RGB Percent	80%, 11%, 58%
CMY	0.1960, 0.8903, 0.4235
CMYK	0.00, 0.86, 0.28, 0.20
HSL	320°, 76%, 46%
HSV	320°, 86%, 80%
XYZ	30.8618, 15.9162, 29.0495
YIQ	94.4890, 67.2930, 74.5330

Conversions

Conversions Part 2

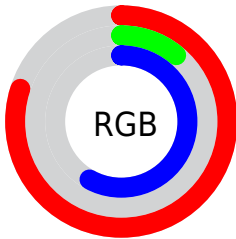
Format	Color
R _Y B	205, 28, 147
Decimal	13442195
CIE Lab	46.86, 72.69, -20.37
CIE LCh	47, 75.493, 344.349
Yxy	15.9162, 0.4070, 0.2099
Android (android.graphics.Color)	4291632275 (0xFFCD1C93)
YUV	94.4890, 25.8879, 96.9181
Hunter-Lab	39.8951, 68.2664, -15.2453

Details

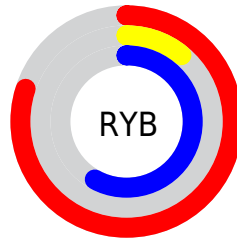
The Yxy color **15.9162, 0.4070, 0.2099** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **44.5884, 0.2832, 0.5263**, and the grayscale version is **11.2372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2124, 0.3762, 0.2292**, and **6.9555, 0.4285, 0.2134** is the 20% darker color. If you saturate the color by 10%, you get **15.0453, 0.4210, 0.2110**, and if you desaturate by 10%, it is **17.4577, 0.3927, 0.2138**.

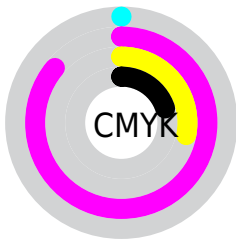
Distribution



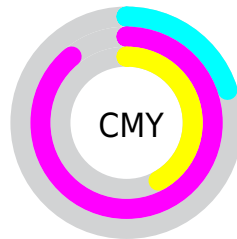
- Red (80%)
- Green (11%)
- Blue (58%)



- Red (80%)
- Yellow (11%)
- Blue (58%)



- Cyan (0%)
- Magenta (86%)
- Yellow (28%)
- Black (20%)





- Cyan (20%)
- Magenta (89%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9162, 0.4070, 0.2099 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 15.9162, 0.4070, 0.2099 by changing the saturation by 10% instead.


 15.9162, 0.4070,
0.2099


 15.9162, 0.4070,
0.2099


228.8467, 0.3553,
0.2731


 9.4649, 0.4215,
0.1932


 36.4527, 0.3871,
0.2336


 5.0456, 0.4410,
0.1715


 51.3066, 0.3799,
0.2423


 2.2741, 0.4685,
0.1423

 69.7302, 0.3740,
0.2495

 0.7599, 0.5100,
0.1015

 92.1078, 0.3690,
0.2557

 0.0000, 0.6042,
0.0000

 118.8239, 0.3648,
0.2610

 0.0000, 1.0000,
0.0000

 150.2628, 0.3612,

 0.0000, 0.0000,

0.2655

0.0000

186.8089, 0.3580,
0.2695

■ 15.9162, 0.4070,
0.2099

■ 15.9162, 0.4070,
0.2099

■ 15.0453, 0.4210,
0.2110

■ 17.4577, 0.3927,
0.2138

■ 14.8116, 0.4261,
0.2121

■ 19.7876, 0.3786,
0.2224

■ 23.0010, 0.3652,
0.2348

■ 27.1790, 0.3529,
0.2499

■ 32.3933, 0.3418,
0.2667

■ 38.7088, 0.3321,
0.2841

■ 46.1852, 0.3238,
0.3016

■ 54.8777, 0.3167,
0.3186

■ 64.8380, 0.3106,
0.3348

Harmonies

Analogous

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



15.9162, 0.2580, 0.1592



15.9162, 0.4070, 0.2099



15.9162, 0.5463, 0.2806

Triad

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



15.9162, 0.4070, 0.2099



15.9162, 0.4259, 0.5554



15.9162, 0.0963, 0.1973

Complementary

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



15.9162, 0.4070, 0.2099



44.5884, 0.2832, 0.5263

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.



15.9162, 0.1183, 0.3199



15.9162, 0.4070, 0.2099



15.9162, 0.3037, 0.6120

Square

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



15.9162, 0.4070, 0.2099



15.9162, 0.5329, 0.4511



15.9162, 0.1904, 0.5114



15.9162, 0.1101, 0.1464

Rectangle

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



15.9162, 0.4070, 0.2099



15.9162, 0.5872, 0.3320



15.9162, 0.1904, 0.5114



15.9162, 0.0991, 0.2285

Sweetspot

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



15.9171, 0.4070, 0.2099



63.4252, 0.3321, 0.2842



7.1240, 0.1874, 0.0884



12.7533, 0.3354, 0.2780



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.



15.9171, 0.4070, 0.2099



24.2171, 0.4277, 0.2130



14.1412, 0.5715, 0.3059



11.3388, 0.3187, 0.3135



9.2373, 0.4242, 0.2110



0.4902, 0.3991, 0.1972

Inverse Universe

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



15.9171, 0.4070, 0.2099



24.2171, 0.4277, 0.2130



46.9168, 0.2414, 0.3798



11.3388, 0.3187, 0.3135



9.2373, 0.4242, 0.2110



0.4902, 0.3991, 0.1972

Previews

White Background



This preview shows how the Yxy color 15.9162, 0.4070, 0.2099 looks on a white background.

Color Contrast Check

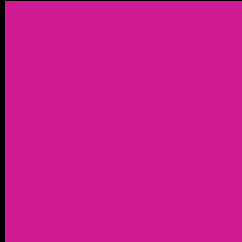
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9162, 0.4070, 0.2099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

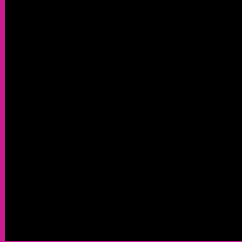
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9162, 0.4070, 0.2099

Background



This preview shows how black text looks on a background with the Yxy color 15.9162, 0.4070, 0.2099.



This preview shows how white text looks on a background with the Yxy color 15.9162, 0.4070, 0.2099.

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

15.9162, 0.4070, 0.2099

Protanopia

16.4207, 0.1967, 0.1742

Deuteranopia

16.3018, 0.2802, 0.2753



Tritanopia

15.9690, 0.5364, 0.3266

Trichromacy



Original Color

15.9162, 0.4070, 0.2099



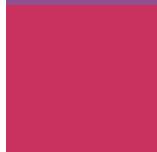
Protanomaly

12.8692, 0.2393, 0.1654



Deuteranomaly

13.6802, 0.3233, 0.2286



Tritanomaly

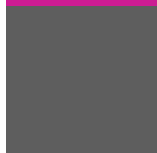
15.5249, 0.4944, 0.2812

Monochromacy



Original Color

15.9162, 0.4070, 0.2099



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

10.6409, 0.3528, 0.2502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9162, 0.4070, 0.2099 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(205, 28, 147)` looks like.

```
.text, #text, p{  
    color:rgb(205, 28, 147)  
}
```

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(205, 28, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 28, 147) }
```

Border

The CSS property to change the border of an element to Yxy 15.9162, 0.4070, 0.2099 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(205, 28, 147) }
```

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

```
.border{ border-color:rgb(205, 28, 147) }
```

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

Here you see how a box with a 4 pixel rgb(205, 28, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 28, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 28, 147);  
box-shadow:4px 4px 4px 4px rgb(205, 28,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9162, 0.4070, 0.2099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 28, 147) }
```

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

```
.background{ background-color: rgb(205, 28,  
147) }
```

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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