

Converting Colors

$Yxy(19.2051, 0.4208, 0.2092)$

Have a look what the booklet for
Yxy(19.2051, 0.4208, 0.2092)
contains.

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Color

Yxy(19.1266, 0.4200, 0.2088)

Conversions

Conversions Part 1

Format	Color
Hex	E5009E
RGB	229, 0, 158
RGB Percent	90%, 0%, 62%
CMY	0.1021, 0.9984, 0.3805
CMYK	0.00, 1.00, 0.31, 0.10
HSL	319°, 100%, 45%
HSV	319°, 100%, 90%
XYZ	38.4730, 19.1266, 34.0028
YIQ	86.4830, 85.7660, 97.6860

Conversions

Conversions Part 2

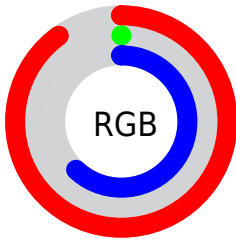
Format	Color
R_{YB}	229, 0, 158
Decimal	15007902
CIE _{Lab}	50.83, 81.78, -20.46
CIE _{LCh}	51, 84.303, 345.956
Yxy	19.1266, 0.4200, 0.2088
Android (android.graphics.Color)	4293197982 (0xFFE5009E)
YUV	86.4830, 35.2579, 124.9874
Hunter-Lab	43.7340, 80.4931, -15.4838

Details

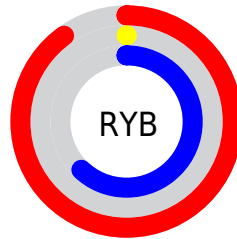
The Yxy color **19.1266, 0.4200, 0.2088** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **56.4773, 0.2887, 0.5590**, and the grayscale version is **9.3738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2485, 0.3626, 0.2166**, and **9.3654, 0.4404, 0.2200** is the 20% darker color. If you saturate the color by 10%, you get **19.1146, 0.4202, 0.2089**, and if you desaturate by 10%, it is **19.9956, 0.4070, 0.2065**.

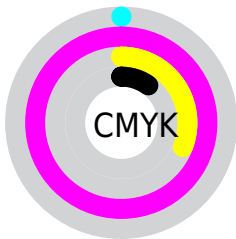
Distribution



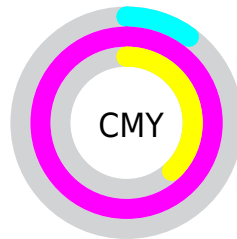
- Red (90%)
- Green (0%)
- Blue (62%)



- Red (90%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (10%)




- Cyan (10%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1266, 0.4200, 0.2088 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 19.1266, 0.4200, 0.2088 by changing the saturation by 10% instead.


 19.1266, 0.4200,
0.2088


 19.1266, 0.4200,
0.2088

247.1468, 0.3624,
0.2707


 11.7618, 0.4355,
0.1931


 41.9479, 0.3982,
0.2316


 6.5817, 0.4562,
0.1730


 58.1732, 0.3903,
0.2400

 3.2019, 0.4846,
0.1466


 78.1208, 0.3837,
0.2472

 1.2380, 0.5257,
0.1112

 102.1750, 0.3781,
0.2533

 0.0924, 0.6162,
0.0204

 130.7204, 0.3733,
0.2585

 0.0000, 0.7628,
0.0000

 164.1412, 0.3692,

 0.0000, 0.0000,

0.2631

0.0000

202.8219, 0.3656,
0.2671

■ 19.1266, 0.4200,
0.2088

■ 19.1266, 0.4200,
0.2088

■ 19.1146, 0.4202,
0.2089

■ 19.9956, 0.4070,
0.2065

■ 21.6065, 0.3937,
0.2087

■ 24.1857, 0.3803,
0.2159

■ 27.8661, 0.3673,
0.2273

■ 32.7596, 0.3552,
0.2419

■ 38.9645, 0.3442,
0.2586

■ 46.5687, 0.3345,
0.2765

■ 55.6526, 0.3260,
0.2945

■ 66.2903, 0.3188,
0.3123

Harmonies

Analogous

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



19.1266, 0.2624, 0.1557



19.1266, 0.4200, 0.2088



19.1266, 0.5625, 0.2813

Triad

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



19.1266, 0.4200, 0.2088



19.1266, 0.4192, 0.5672



19.1266, 0.0898, 0.1870

Complementary

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



19.1266, 0.4200, 0.2088



56.4773, 0.2887, 0.5590

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.



19.1266, 0.1089, 0.3087



19.1266, 0.4200, 0.2088



19.1266, 0.2930, 0.6261

Square

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



19.1266, 0.4200, 0.2088



19.1266, 0.5334, 0.4568



19.1266, 0.1786, 0.5116



19.1266, 0.1058, 0.1388

Rectangle

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



19.1266, 0.4200, 0.2088



19.1266, 0.5994, 0.3333



19.1266, 0.1786, 0.5116



19.1266, 0.0918, 0.2172

Sweetspot

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



19.1277, 0.4200, 0.2088



59.0834, 0.3348, 0.2758



6.9276, 0.1692, 0.0706



11.7227, 0.3388, 0.2682



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.



19.1277, 0.4200, 0.2088



24.3871, 0.4209, 0.2093



16.8579, 0.6099, 0.3135



14.5350, 0.3185, 0.3129



10.9560, 0.4183, 0.2078



0.8261, 0.4006, 0.1980

Inverse Universe

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



19.1277, 0.4200, 0.2088



24.3871, 0.4209, 0.2093



59.4466, 0.2431, 0.3950



14.5350, 0.3185, 0.3129



10.9560, 0.4183, 0.2078



0.8261, 0.4006, 0.1980

Previews

White Background



This preview shows how the Yxy color 19.1266, 0.4200, 0.2088 looks on a white background.

Color Contrast Check

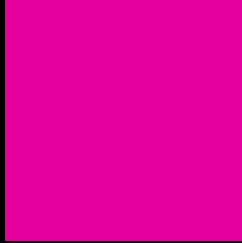
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1266, 0.4200, 0.2088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

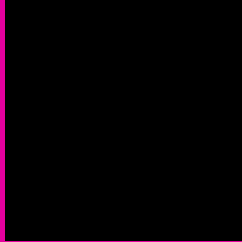
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1266, 0.4200, 0.2088

Background



This preview shows how black text looks on a background with the Yxy color 19.1266, 0.4200, 0.2088.



This preview shows how white text looks on a background with the Yxy color 19.1266, 0.4200, 0.2088.

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

19.1266, 0.4200, 0.2088

Protanopia

19.8951, 0.1945, 0.1709

Deuteranopia

19.6771, 0.2857, 0.2810



Tritanopia

19.5149, 0.5551, 0.3272

Trichromacy



Original Color

19.1266, 0.4200, 0.2088



Protanomaly

13.8980, 0.2364, 0.1501



Deuteranomaly

15.1192, 0.3322, 0.2190



Tritanomaly

18.4260, 0.5157, 0.2790

Monochromacy



Original Color

19.1266, 0.4200, 0.2088



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.5096, 0.3650, 0.2307

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1266, 0.4200, 0.2088 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(229, 0, 158)` looks like.

```
.text, #text, p{  
  color:rgb(229, 0, 158)  
}
```

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(229, 0, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 158) }
```

Border

The CSS property to change the border of an element to Yxy 19.1266, 0.4200, 0.2088 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(229, 0, 158) }
```

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

```
.border{ border-color:rgb(229, 0, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 0, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 158);  
box-shadow:4px 4px 4px 4px rgb(229, 0,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1266, 0.4200, 0.2088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 158) }
```

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

```
.background{ background-color: rgb(229, 0,  
158) }
```

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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