

Converting Colors

$Yxy(19.9408, 0.4310, 0.2188)$

Have a look what the booklet for
Yxy(19.9408, 0.4310, 0.2188)
contains.

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Color

Yxy(19.9215, 0.4310, 0.2187)

Conversions

Conversions Part 1

Format	Color
Hex	E81399
RGB	232, 19, 153
RGB Percent	91%, 7%, 60%
CMY	0.0902, 0.9253, 0.4000
CMYK	0.00, 0.92, 0.34, 0.09
HSL	322°, 85%, 49%
HSV	322°, 92%, 91%
XYZ	39.2600, 19.9215, 31.9090
YIQ	97.9630, 83.9340, 86.8300

Conversions

Conversions Part 2

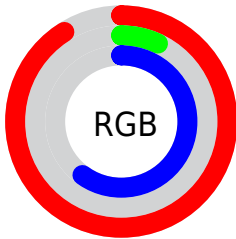
Format	Color
R _Y B	232, 19, 153
Decimal	15209369
CIE _{Lab}	51.75, 80.35, -16.04
CIE _{LCh}	52, 81.936, 348.712
Yxy	19.9215, 0.4310, 0.2187
Android (android.graphics.Color)	4293399449 (0xFFE81399)
YUV	97.9630, 27.1332, 117.5504
Hunter-Lab	44.6335, 78.9015, -11.1437

Details

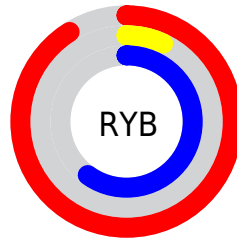
The Yxy color **19.9215, 0.4310, 0.2187** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **58.7336, 0.2815, 0.5276**, and the grayscale version is **12.1283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8793, 0.3689, 0.2255**, and **9.6172, 0.4545, 0.2278** is the 20% darker color. If you saturate the color by 10%, you get **19.2281, 0.4444, 0.2222**, and if you desaturate by 10%, it is **21.4239, 0.4142, 0.2186**.

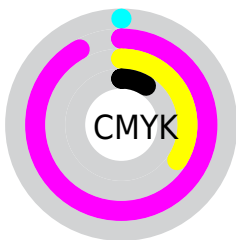
Distribution



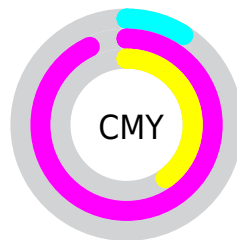
- Red (91%)
- Green (7%)
- Blue (60%)



- Red (91%)
- Yellow (7%)
- Blue (60%)



- Cyan (0%)
- Magenta (92%)
- Yellow (34%)
- Black (9%)





- Cyan (9%)
- Magenta (93%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9215, 0.4310, 0.2187 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 19.9215, 0.4310, 0.2187 by changing the saturation by 10% instead.


 19.9215, 0.4310,
0.2187


 19.9215, 0.4310,
0.2187


251.4898, 0.3669,
0.2761


 12.3380, 0.4486,
0.2039


 43.2855, 0.4065,
0.2400


 6.9743, 0.4721,
0.1848


 59.8349, 0.3977,
0.2478

 3.4460, 0.5048,
0.1593


 80.1416, 0.3904,
0.2545

 1.3688, 0.5529,
0.1245

 104.5901, 0.3842,
0.2601

 0.1936, 0.6508,
0.0429

 133.5647, 0.3789,
0.2649

 0.0000, 0.8983,
0.0000

 167.4500, 0.3743,

 0.0000, 1.0000,

0.2691

0.0000

206.6302, 0.3704,
0.2728

■ 0.0000, 0.0000,
0.0000

■ 19.9215, 0.4310,
0.2187

■ 19.9215, 0.4310,
0.2187

■ 19.2281, 0.4444,
0.2222

■ 21.4239, 0.4142,
0.2186

■ 23.8987, 0.3974,
0.2236

■ 27.4902, 0.3811,
0.2331

■ 32.3179, 0.3660,
0.2461

■ 38.4858, 0.3524,
0.2612

■ 46.0867, 0.3404,
0.2775

■ 55.2052, 0.3301,
0.2942

■ 65.9192, 0.3213,
0.3106

■ 78.3014, 0.3139,
0.3263

Harmonies

Analogous

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



19.9215, 0.2768, 0.1640



19.9215, 0.4310, 0.2187



19.9215, 0.5613, 0.2912

Triad

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



19.9215, 0.4310, 0.2187



19.9215, 0.4076, 0.5692



19.9215, 0.0954, 0.1855

Complementary

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



19.9215, 0.4310, 0.2187



58.7336, 0.2815, 0.5276

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.



19.9215, 0.1114, 0.2960



19.9215, 0.4310, 0.2187



19.9215, 0.2856, 0.6113

Square

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



19.9215, 0.4310, 0.2187



19.9215, 0.5197, 0.4658



19.9215, 0.1756, 0.4852



19.9215, 0.1140, 0.1421

Rectangle

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



19.9215, 0.4310, 0.2187



19.9215, 0.5907, 0.3432



19.9215, 0.1756, 0.4852



19.9215, 0.0965, 0.2130

Sweetspot

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



19.9226, 0.4310, 0.2187



61.0048, 0.3364, 0.2836



8.8426, 0.1870, 0.0837



12.0714, 0.3412, 0.2764



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.



19.9226, 0.4310, 0.2187



23.8117, 0.4452, 0.2226



17.8319, 0.6050, 0.3170



14.5198, 0.3194, 0.3143



10.7002, 0.4419, 0.2208



0.8085, 0.4196, 0.2085

Inverse Universe

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



19.9226, 0.4310, 0.2187



23.8117, 0.4452, 0.2226



62.1913, 0.2366, 0.3681



14.5198, 0.3194, 0.3143



10.7002, 0.4419, 0.2208



0.8085, 0.4196, 0.2085

Previews

White Background



This preview shows how the Yxy color 19.9215, 0.4310, 0.2187 looks on a white background.

Color Contrast Check

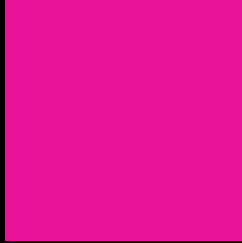
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9215, 0.4310, 0.2187 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 19.9215, 0.4310, 0.2187

Background



This preview shows how black text looks on a background with the Yxy color 19.9215, 0.4310, 0.2187.



This preview shows how white text looks on a background with the Yxy color 19.9215, 0.4310, 0.2187.

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

19.9215, 0.4310, 0.2187

Protanopia

20.4338, 0.2039, 0.1831

Deuteranopia

20.2471, 0.2967, 0.2903



Tritanopia

19.9957, 0.5571, 0.3272

Trichromacy



Original Color

19.9215, 0.4310, 0.2187



Protanomaly

15.4699, 0.2525, 0.1694



Deuteranomaly

16.5542, 0.3440, 0.2357



Tritanomaly

19.3110, 0.5195, 0.2856

Monochromacy



Original Color

19.9215, 0.4310, 0.2187



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.7673, 0.3655, 0.2467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9215, 0.4310, 0.2187 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(232, 19, 153)` looks like.

```
.text, #text, p{  
    color:rgb(232, 19, 153)  
}
```

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(232, 19, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 19, 153) }
```

Border

The CSS property to change the border of an element to Yxy 19.9215, 0.4310, 0.2187 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(232, 19, 153) }
```

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

```
.border{ border-color:rgb(232, 19, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 19, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 19, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 19, 153);  
box-shadow:4px 4px 4px 4px rgb(232, 19,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9215, 0.4310, 0.2187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 19, 153) }
```

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

```
.background{ background-color: rgb(232, 19,  
153) }
```

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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