

Converting Colors

$Y_{xy}(19.6852, 0.4211, 0.2094)$

Have a look what the booklet for
Yxy(19.6852, 0.4211, 0.2094)
contains.

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Color

Yxy(19.6590, 0.4219, 0.2098)

Conversions

Conversions Part 1

Format	Color
Hex	E8009F
RGB	232, 0, 159
RGB Percent	91%, 0%, 62%
CMY	0.0902, 0.9994, 0.3765
CMYK	0.00, 1.00, 0.31, 0.09
HSL	319°, 100%, 46%
HSV	319°, 100%, 91%
XYZ	39.5335, 19.6590, 34.5110
YIQ	87.4940, 87.2330, 98.6330

Conversions

Conversions Part 2

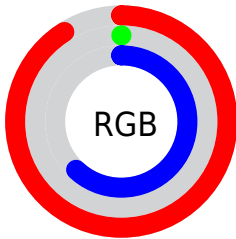
Format	Color
R_YB	232, 0, 159
Decimal	15204511
CIE _{Lab}	51.45, 82.50, -20.07
CIE _{LCh}	51, 84.908, 346.327
Yxy	19.6590, 0.4219, 0.2098
Android (android.graphics.Color)	4293394591 (0xFFE8009F)
YUV	87.4940, 35.2525, 126.7318
Hunter-Lab	44.3385, 81.5637, -15.1117

Details

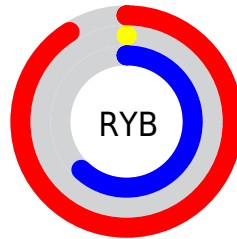
The Yxy color **19.6590, 0.4219, 0.2098** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **58.1900, 0.2884, 0.5583**, and the grayscale version is **9.5702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4808, 0.3614, 0.2165**, and **9.7195, 0.4427, 0.2213** is the 20% darker color. If you saturate the color by 10%, you get **19.6552, 0.4220, 0.2098**, and if you desaturate by 10%, it is **20.5447, 0.4087, 0.2073**.

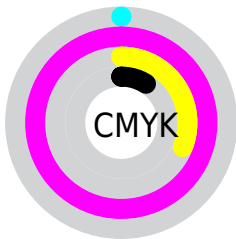
Distribution



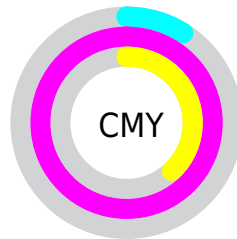
- Red (91%)
- Green (0%)
- Blue (62%)



- Red (91%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6590, 0.4219, 0.2098 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 19.6590, 0.4219, 0.2098 by changing the saturation by 10% instead.


 19.6590, 0.4219,
0.2098

 19.6590, 0.4219,
0.2098


250.0631, 0.3634,
0.2710


 12.1474, 0.4376,
0.1943


 42.8447, 0.3998,
0.2323


 6.8442, 0.4585,
0.1745


 59.2877, 0.3917,
0.2407

 3.3648, 0.4872,
0.1485


 79.4765, 0.3850,
0.2477

 1.3250, 0.5286,
0.1137

 103.7956, 0.3794,
0.2538

 0.1605, 0.6137,
0.0330

 132.6295, 0.3745,
0.2590

 0.0000, 0.7545,
0.0000

 166.3624, 0.3703,

 0.0000, 1.0000,

0.2635

0.0000

205.3788, 0.3667,
0.2675

■ 0.0000, 0.0000,
0.0000

■ 19.6590, 0.4219,
0.2098

■ 19.6590, 0.4219,
0.2098

■ 19.6552, 0.4220,
0.2098

■ 20.5447, 0.4087,
0.2073

■ 22.1913, 0.3951,
0.2094

■ 24.8347, 0.3815,
0.2164

■ 28.6127, 0.3683,
0.2277

■ 33.6410, 0.3560,
0.2422

■ 40.0213, 0.3448,
0.2588

■ 47.8445, 0.3349,
0.2765

■ 57.1938, 0.3263,
0.2945

■ 68.1458, 0.3189,
0.3122

Harmonies

Analogous

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



19.6590, 0.2641, 0.1564



19.6590, 0.4219, 0.2098



19.6590, 0.5633, 0.2824

Triad

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



19.6590, 0.4219, 0.2098



19.6590, 0.4175, 0.5679



19.6590, 0.0901, 0.1863

Complementary

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



19.6590, 0.4219, 0.2098



58.1900, 0.2884, 0.5583

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.



19.6590, 0.1087, 0.3067



19.6590, 0.4219, 0.2098



19.6590, 0.2917, 0.6253

Square

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



19.6590, 0.4219, 0.2098



19.6590, 0.5319, 0.4580



19.6590, 0.1776, 0.5087



19.6590, 0.1064, 0.1388

Rectangle

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



19.6590, 0.4219, 0.2098



19.6590, 0.5991, 0.3344



19.6590, 0.1776, 0.5087



19.6590, 0.0919, 0.2162

Sweetspot

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



19.6601, 0.4219, 0.2098



59.0649, 0.3351, 0.2761



7.1197, 0.1690, 0.0705



11.7183, 0.3391, 0.2686



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.



19.6601, 0.4219, 0.2098



24.3441, 0.4226, 0.2102



17.3583, 0.6103, 0.3136



14.5339, 0.3186, 0.3130



10.9369, 0.4199, 0.2087



0.8248, 0.4019, 0.1988

Inverse Universe

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



19.6601, 0.4219, 0.2098



24.3441, 0.4226, 0.2102



61.2361, 0.2431, 0.3951



14.5339, 0.3186, 0.3130



10.9369, 0.4199, 0.2087



0.8248, 0.4019, 0.1988

Previews

White Background



This preview shows how the Yxy color 19.6590, 0.4219, 0.2098 looks on a white background.

Color Contrast Check

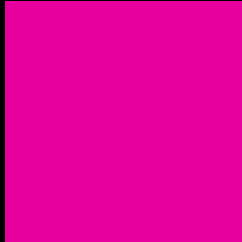
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6590, 0.4219, 0.2098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

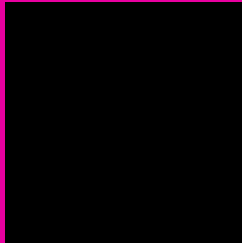
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6590, 0.4219, 0.2098

Background



This preview shows how black text looks on a background with the Yxy color 19.6590, 0.4219, 0.2098.



This preview shows how white text looks on a background with the Yxy color 19.6590, 0.4219, 0.2098.

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

19.6590, 0.4219, 0.2098

Protanopia

20.5985, 0.1958, 0.1725

Deuteranopia

20.0979, 0.2870, 0.2814



Tritanopia

20.1054, 0.5563, 0.3281

Trichromacy



Original Color

19.6590, 0.4219, 0.2098



Protanomaly

14.3178, 0.2388, 0.1518



Deuteranomaly

15.3613, 0.3336, 0.2187



Tritanomaly

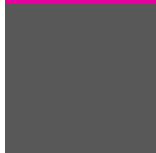
18.9124, 0.5184, 0.2801

Monochromacy



Original Color

19.6590, 0.4219, 0.2098



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.6187, 0.3647, 0.2298

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6590, 0.4219, 0.2098 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, 0, 159)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 159)  
}
```

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, 0, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 159) }
```

Border

The CSS property to change the border of an element to Yxy 19.6590, 0.4219, 0.2098 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, 0, 159) }
```

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

```
.border{ border-color:rgb(232, 0, 159) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 159);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6590, 0.4219, 0.2098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 159) }
```

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

```
.background{ background-color: rgb(232, 0,  
159) }
```

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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