

Converting Colors

$Y_{xy}(19.0677, 0.4131, 0.2065)$

Have a look what the booklet for
Yxy(19.0677, 0.4131, 0.2065)
contains.

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Color

Yxy(19.0643, 0.4139, 0.2070)

Conversions

Conversions Part 1

Format	Color
Hex	E309A0
RGB	227, 9, 160
RGB Percent	89%, 4%, 63%
CMY	0.1098, 0.9644, 0.3727
CMYK	0.00, 0.96, 0.30, 0.11
HSL	318°, 92%, 46%
HSV	318°, 96%, 89%
XYZ	38.1194, 19.0643, 34.9144
YIQ	91.3960, 81.4570, 93.1770

Conversions

Conversions Part 2

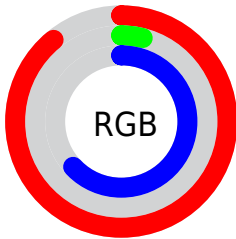
Format	Color
RYB	227, 9, 160
Decimal	14879136
CIELab	50.76, 80.96, -21.78
CIElCh	51, 83.839, 344.940
Yxy	19.0643, 0.4139, 0.2070
Android (android.graphics.Color)	4293069216 (0xFFE309A0)
YUV	91.3960, 33.8218, 118.9247
Hunter-Lab	43.6627, 79.4284, -16.8467

Details

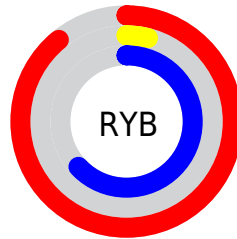
The Yxy color **19.0643, 0.4139, 0.2070** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **55.5208, 0.2876, 0.5526**, and the grayscale version is **10.4759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7157, 0.3601, 0.2164**, and **9.1897, 0.4326, 0.2157** is the 20% darker color. If you saturate the color by 10%, you get **18.7713, 0.4190, 0.2082**, and if you desaturate by 10%, it is **20.1410, 0.4010, 0.2062**.

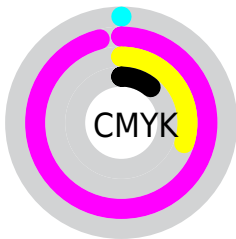
Distribution



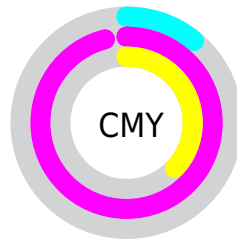
- Red (89%)
- Green (4%)
- Blue (63%)



- Red (89%)
- Yellow (4%)
- Blue (63%)



- Cyan (0%)
- Magenta (96%)
- Yellow (30%)
- Black (11%)





- Cyan (11%)
- Magenta (96%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0643, 0.4139, 0.2070 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 19.0643, 0.4139, 0.2070 by changing the saturation by 10% instead.


 19.0643, 0.4139,
0.2070


 19.0643, 0.4139,
0.2070


246.8035, 0.3599,
0.2696


 11.7167, 0.4284,
0.1912


 41.8427, 0.3935,
0.2300


 6.5511, 0.4475,
0.1710


 58.0424, 0.3861,
0.2386


 3.1830, 0.4738,
0.1445


 77.9615, 0.3799,
0.2458

 1.2280, 0.5115,
0.1092

 101.9846, 0.3746,
0.2520

 0.0844, 0.5956,
0.0184

 130.4959, 0.3702,
0.2573

 0.0000, 0.7125,
0.0000

 163.8799, 0.3663,

 0.0000, 0.0000,

0.2619

0.0000

202.5210, 0.3629,
0.2660

■ 19.0643, 0.4139,
0.2070

■ 19.0643, 0.4139,
0.2070

■ 18.7713, 0.4190,
0.2082

■ 20.1410, 0.4010,
0.2062

■ 22.0686, 0.3877,
0.2105

■ 24.9982, 0.3746,
0.2194

■ 29.0508, 0.3621,
0.2323

■ 34.3302, 0.3505,
0.2479

■ 40.9284, 0.3401,
0.2652

■ 48.9285, 0.3309,
0.2832

■ 58.4067, 0.3230,
0.3013

■ 69.4337, 0.3163,
0.3189

Harmonies

Analogous

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



19.0643, 0.2581, 0.1549



19.0643, 0.4139, 0.2070



19.0643, 0.5582, 0.2790

Triad

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



19.0643, 0.4139, 0.2070



19.0643, 0.4234, 0.5631



19.0643, 0.0904, 0.1902

Complementary

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



19.0643, 0.4139, 0.2070



55.5208, 0.2876, 0.5526

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.



19.0643, 0.1110, 0.3148



19.0643, 0.4139, 0.2070



19.0643, 0.2976, 0.6250

Square

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



19.0643, 0.4139, 0.2070



19.0643, 0.5360, 0.4531



19.0643, 0.1825, 0.5173



19.0643, 0.1052, 0.1402

Rectangle

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



19.0643, 0.4139, 0.2070



19.0643, 0.5978, 0.3308



19.0643, 0.1825, 0.5173



19.0643, 0.0928, 0.2213

Sweetspot

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



19.0653, 0.4139, 0.2070



60.1686, 0.3337, 0.2774



7.2177, 0.1730, 0.0742



11.9277, 0.3377, 0.2697



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.



19.0653, 0.4139, 0.2070



24.4168, 0.4198, 0.2086



16.7824, 0.5996, 0.3105



14.5358, 0.3185, 0.3129



10.9692, 0.4172, 0.2072



0.8270, 0.3997, 0.1976

Inverse Universe

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



19.0653, 0.4139, 0.2070



24.4168, 0.4198, 0.2086



58.4336, 0.2428, 0.3922



14.5358, 0.3185, 0.3129



10.9692, 0.4172, 0.2072



0.8270, 0.3997, 0.1976

Previews

White Background



This preview shows how the Yxy color 19.0643, 0.4139, 0.2070 looks on a white background.

Color Contrast Check

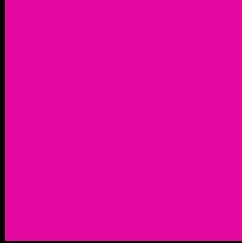
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0643, 0.4139, 0.2070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

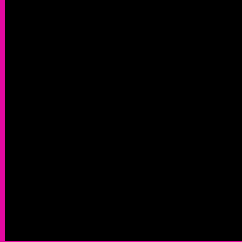
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.0643, 0.4139, 0.2070

Background



This preview shows how black text looks on a background with the Yxy color 19.0643, 0.4139, 0.2070.



This preview shows how white text looks on a background with the Yxy color 19.0643, 0.4139, 0.2070.

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

19.0643, 0.4139, 0.2070

Protanopia

19.9189, 0.1918, 0.1677

Deuteranopia

19.5959, 0.2815, 0.2774



Tritanopia

19.1640, 0.5509, 0.3271

Trichromacy



Original Color

19.0643, 0.4139, 0.2070



Protanomaly

14.1888, 0.2324, 0.1507



Deuteranomaly

15.4082, 0.3263, 0.2194



Tritanomaly

18.3358, 0.5109, 0.2788

Monochromacy



Original Color

19.0643, 0.4139, 0.2070



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.1739, 0.3597, 0.2340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0643, 0.4139, 0.2070 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(227, 9, 160)` looks like.

```
.text, #text, p{  
    color:rgb(227, 9, 160)  
}
```

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(227, 9, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 9, 160) }
```

Border

The CSS property to change the border of an element to Yxy 19.0643, 0.4139, 0.2070 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(227, 9, 160) }
```

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

```
.border{ border-color:rgb(227, 9, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 9, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 9, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 9, 160);  
box-shadow:4px 4px 4px 4px rgb(227, 9,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0643, 0.4139, 0.2070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 9, 160) }
```

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

```
.background{ background-color: rgb(227, 9,  
160) }
```

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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