

Converting Colors

$Yxy(19.1495, 0.4010, 0.1983)$

Have a look what the booklet for
Yxy(19.1495, 0.4010, 0.1983)
contains.

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Color

Yxy(19.1580, 0.4011, 0.1983)

Conversions

Conversions Part 1

Format	Color
Hex	E300A8
RGB	227, 0, 168
RGB Percent	89%, 0%, 66%
CMY	0.1097, 1.0000, 0.3412
CMYK	0.00, 1.00, 0.26, 0.11
HSL	316°, 100%, 45%
HSV	316°, 100%, 89%
XYZ	38.7508, 19.1580, 38.7024
YIQ	87.0250, 81.3640, 100.3720

Conversions

Conversions Part 2

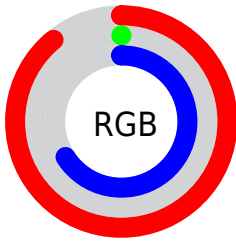
Format	Color
R_{YB}	227, 0, 168
Decimal	14876840
CIE _{Lab}	50.87, 82.51, -26.38
CIE _{LCh}	51, 86.627, 342.272
Yxy	19.1580, 0.4011, 0.1983
Android (android.graphics.Color)	4293066920 (0xFFE300A8)
YUV	87.0250, 39.9207, 122.7581
Hunter-Lab	43.7699, 81.4341, -21.7869

Details

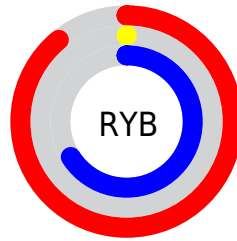
The Yxy color **19.1580, 0.4011, 0.1983** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **55.2640, 0.2918, 0.5706**, and the grayscale version is **9.4372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9535, 0.3514, 0.2091**, and **9.3679, 0.4142, 0.2055** is the 20% darker color. If you saturate the color by 10%, you get **19.1611, 0.4011, 0.1983**, and if you desaturate by 10%, it is **19.9871, 0.3908, 0.1972**.

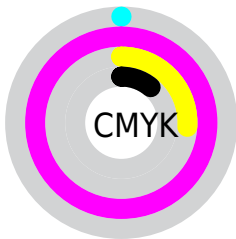
Distribution



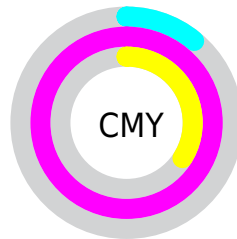
- Red (89%)
- Green (0%)
- Blue (66%)



- Red (89%)
- Yellow (0%)
- Blue (66%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1580, 0.4011, 0.1983 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 19.1580, 0.4011, 0.1983 by changing the saturation by 10% instead.


 19.1580, 0.4011,
0.1983


 19.1580, 0.4011,
0.1983


247.3196, 0.3550,
0.2644

 11.7845, 0.4130,
0.1820


 42.0009, 0.3840,
0.2223


 6.5971, 0.4285,
0.1614


 58.2391, 0.3777,
0.2313

 3.2114, 0.4493,
0.1348


 78.2010, 0.3723,
0.2390

 1.2431, 0.4782,
0.1002

 102.2710, 0.3678,
0.2455

 0.0965, 0.5404,
0.0183

 130.8334, 0.3639,
0.2512

 0.0000, 0.5904,
0.0000

 164.2728, 0.3606,

 0.0000, 1.0000,

0.2562

0.0000

202.9734, 0.3576,
0.2605

■ 0.0000, 0.0000,
0.0000

■ 19.1580, 0.4011,
0.1983

■ 19.1580, 0.4011,
0.1983

■ 19.1611, 0.4011,
0.1983

■ 19.9871, 0.3908,
0.1972

■ 21.5289, 0.3802,
0.2003

■ 24.0136, 0.3694,
0.2083

■ 27.5715, 0.3589,
0.2205

■ 32.3127, 0.3489,
0.2360

■ 38.3331, 0.3398,
0.2536

■ 45.7191, 0.3315,
0.2725

■ 54.5494, 0.3243,
0.2918

■ 64.8968, 0.3181,
0.3108

Harmonies

Analogous

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



19.1580, 0.2445, 0.1481



19.1580, 0.4011, 0.1983



19.1580, 0.5556, 0.2700

Triad

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



19.1580, 0.4011, 0.1983



19.1580, 0.4354, 0.5584



19.1580, 0.0866, 0.1937

Complementary

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



19.1580, 0.4011, 0.1983



55.2640, 0.2918, 0.5706

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.



19.1580, 0.1104, 0.3297



19.1580, 0.4011, 0.1983



19.1580, 0.3059, 0.6337

Square

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



19.1580, 0.4011, 0.1983



19.1580, 0.5481, 0.4435



19.1580, 0.1873, 0.5420



19.1580, 0.0988, 0.1387

Rectangle

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



19.1580, 0.4011, 0.1983



19.1580, 0.6031, 0.3217



19.1580, 0.1873, 0.5420



19.1580, 0.0899, 0.2278

Sweetspot

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



19.1611, 0.4011, 0.1983



59.3048, 0.3317, 0.2722



6.4097, 0.1635, 0.0674



11.7759, 0.3351, 0.2641



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.



19.1611, 0.4011, 0.1983



24.9216, 0.4017, 0.1987



16.6268, 0.5961, 0.3057



14.5479, 0.3177, 0.3118



11.1928, 0.3996, 0.1975



0.8421, 0.3856, 0.1898

Inverse Universe

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



19.1611, 0.4011, 0.1983



24.9216, 0.4017, 0.1987



57.8603, 0.2480, 0.4130



14.5479, 0.3177, 0.3118



11.1928, 0.3996, 0.1975



0.8421, 0.3856, 0.1898

Previews

White Background



This preview shows how the Yxy color 19.1580, 0.4011, 0.1983 looks on a white background.

Color Contrast Check

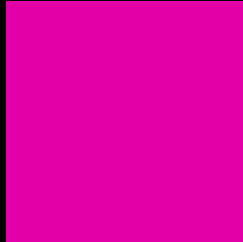
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1580, 0.4011, 0.1983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

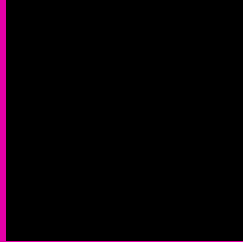
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1580, 0.4011, 0.1983

Background



This preview shows how black text looks on a background with the Yxy color 19.1580, 0.4011, 0.1983.



This preview shows how white text looks on a background with the Yxy color 19.1580, 0.4011, 0.1983.

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

19.1580, 0.4011, 0.1983

Protanopia

20.1295, 0.1840, 0.1573

Deuteranopia

19.8910, 0.2708, 0.2659



Tritanopia

19.5417, 0.5444, 0.3270

Trichromacy



Original Color

19.1580, 0.4011, 0.1983



Protanomaly

13.6178, 0.2173, 0.1366



Deuteranomaly

15.0491, 0.3130, 0.2049



Tritanomaly

18.3638, 0.5024, 0.2729

Monochromacy



Original Color

19.1580, 0.4011, 0.1983



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.3966, 0.3576, 0.2240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1580, 0.4011, 0.1983 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, 0, 168)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 168)  
}
```

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, 0, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 168) }
```

Border

The CSS property to change the border of an element to Yxy 19.1580, 0.4011, 0.1983 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, 0, 168) }
```

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

```
.border{ border-color:rgb(227, 0, 168) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 168);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1580, 0.4011, 0.1983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 168) }
```

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

```
.background{ background-color: rgb(227, 0,  
168) }
```

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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