

Converting Colors

$Yxy(19.9285, 0.4099, 0.2032)$

Have a look what the booklet for
Yxy(19.9285, 0.4099, 0.2032)
contains.

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Color

Yxy(19.9090, 0.4103, 0.2034)

Conversions

Conversions Part 1

Format	Color
Hex	E800A6
RGB	232, 0, 166
RGB Percent	91%, 0%, 65%
CMY	0.0902, 0.9996, 0.3489
CMYK	0.00, 1.00, 0.28, 0.09
HSL	317°, 100%, 46%
HSV	317°, 100%, 91%
XYZ	40.1606, 19.9090, 37.8114
YIQ	88.2920, 84.9860, 100.8100

Conversions

Conversions Part 2

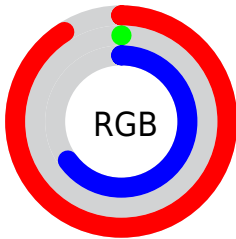
Format	Color
R_{YB}	232, 0, 166
Decimal	15204518
CIE _{Lab}	51.73, 83.24, -23.80
CIE _{LCh}	52, 86.572, 344.046
Yxy	19.9090, 0.4103, 0.2034
Android (android.graphics.Color)	4293394598 (0xFFE800A6)
YUV	88.2920, 38.3100, 126.0319
Hunter-Lab	44.6195, 82.5780, -19.0099

Details

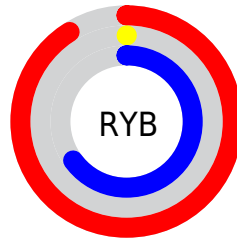
The Yxy color **19.9090, 0.4103, 0.2034** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **58.1024, 0.2904, 0.5655**, and the grayscale version is **9.7393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8462, 0.3536, 0.2107**, and **9.8728, 0.4266, 0.2124** is the 20% darker color. If you saturate the color by 10%, you get **19.9070, 0.4103, 0.2034**, and if you desaturate by 10%, it is **20.7811, 0.3987, 0.2016**.

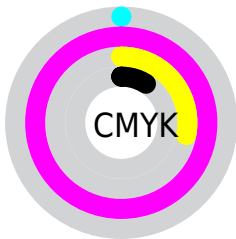
Distribution



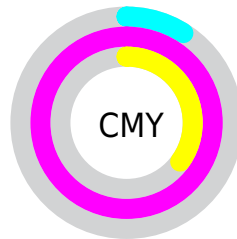
- Red (91%)
- Green (0%)
- Blue (65%)



- Red (91%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (28%)
- Black (9%)




- Cyan (9%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9090, 0.4103, 0.2034 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 19.9090, 0.4103, 0.2034 by changing the saturation by 10% instead.


 19.9090, 0.4103,
0.2034


 19.9090, 0.4103,
0.2034


251.4221, 0.3589,
0.2671


 12.3289, 0.4238,
0.1876


 43.2646, 0.3911,
0.2265


 6.9681, 0.4414,
0.1676


 59.8088, 0.3840,
0.2352


 3.4422, 0.4653,
0.1417


 80.1099, 0.3781,
0.2426

 1.3667, 0.4990,
0.1076

 104.5523, 0.3731,
0.2489

 0.1920, 0.5654,
0.0351

 133.5203, 0.3688,
0.2544

 0.0000, 0.6435,
0.0000

 167.3983, 0.3651,

 0.0000, 1.0000,

0.2591

0.0000

206.5708, 0.3618,
0.2633

■ 0.0000, 0.0000,
0.0000

■ 19.9090, 0.4103,
0.2034

■ 19.9090, 0.4103,
0.2034

■ 19.9070, 0.4103,
0.2034

■ 20.7811, 0.3987,
0.2016

■ 22.4104, 0.3868,
0.2043

■ 25.0335, 0.3748,
0.2118

■ 28.7881, 0.3631,
0.2236

■ 33.7901, 0.3521,
0.2387

■ 40.1410, 0.3420,
0.2559

■ 47.9316, 0.3330,
0.2743

■ 57.2452, 0.3252,
0.2930

■ 68.1584, 0.3184,
0.3114

Harmonies

Analogous

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



19.9090, 0.2531, 0.1518



19.9090, 0.4103, 0.2034



19.9090, 0.5591, 0.2755

Triad

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



19.9090, 0.4103, 0.2034



19.9090, 0.4273, 0.5624



19.9090, 0.0882, 0.1904

Complementary

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



19.9090, 0.4103, 0.2034



58.1024, 0.2904, 0.5655

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.



19.9090, 0.1097, 0.3193



19.9090, 0.4103, 0.2034



19.9090, 0.2997, 0.6303

Square

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



19.9090, 0.4103, 0.2034



19.9090, 0.5408, 0.4498



19.9090, 0.1831, 0.5272



19.9090, 0.1022, 0.1387

Rectangle

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



19.9090, 0.4103, 0.2034



19.9090, 0.6014, 0.3273



19.9090, 0.1831, 0.5272



19.9090, 0.0908, 0.2226

Sweetspot

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



19.9101, 0.4103, 0.2034



59.1969, 0.3332, 0.2739



6.9790, 0.1670, 0.0694



11.7499, 0.3369, 0.2661



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.



19.9101, 0.4103, 0.2034



24.6563, 0.4109, 0.2037



17.3895, 0.6060, 0.3112



14.5416, 0.3181, 0.3123



11.0754, 0.4085, 0.2024



0.8342, 0.3928, 0.1937

Inverse Universe

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



19.9101, 0.4103, 0.2034



24.6563, 0.4109, 0.2037



61.0752, 0.2447, 0.4010



14.5416, 0.3181, 0.3123



11.0754, 0.4085, 0.2024



0.8342, 0.3928, 0.1937

Previews

White Background



This preview shows how the Yxy color 19.9090, 0.4103, 0.2034 looks on a white background.

Color Contrast Check

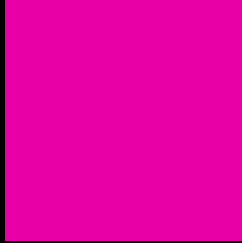
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9090, 0.4103, 0.2034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

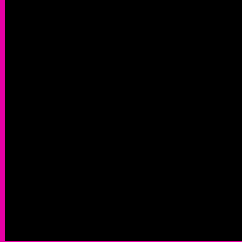
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9090, 0.4103, 0.2034

Background



This preview shows how black text looks on a background with the Yxy color 19.9090, 0.4103, 0.2034.



This preview shows how white text looks on a background with the Yxy color 19.9090, 0.4103, 0.2034.

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

19.9090, 0.4103, 0.2034

Protanopia

20.7550, 0.1890, 0.1637

Deuteranopia

20.4232, 0.2780, 0.2717



Tritanopia

20.3213, 0.5494, 0.3280

Trichromacy



Original Color

19.9090, 0.4103, 0.2034



Protanomaly

14.2960, 0.2268, 0.1427



Deuteranomaly

15.6334, 0.3224, 0.2110



Tritanomaly

19.1494, 0.5089, 0.2759

Monochromacy



Original Color

19.9090, 0.4103, 0.2034



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.6647, 0.3609, 0.2267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9090, 0.4103, 0.2034 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 166) }
```

Border

The CSS property to change the border of an element to Yxy 19.9090, 0.4103, 0.2034 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, 166) }
```

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

```
.border{ border-color:rgb(232, 0, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9090, 0.4103, 0.2034 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, 166) }
```

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

```
.background{ background-color: rgb(232, 0,  
166) }
```

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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