

Converting Colors

$Y_{xy}(19.7810, 0.4411, 0.2204)$

Have a look what the booklet for
Yxy(19.7810, 0.4411, 0.2204)
contains.

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Color

Yxy(19.8642, 0.4408, 0.2202)

Conversions

Conversions Part 1

Format	Color
Hex	EB0096
RGB	235, 0, 150
RGB Percent	92%, 0%, 59%
CMY	0.0784, 0.9997, 0.4119
CMYK	0.00, 1.00, 0.36, 0.08
HSL	322°, 100%, 46%
HSV	322°, 100%, 92%
XYZ	39.7645, 19.8642, 30.5811
YIQ	87.3650, 91.9100, 96.4700

Conversions

Conversions Part 2

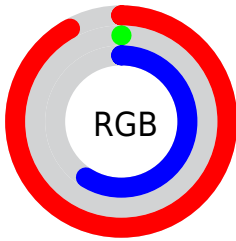
Format	Color
RYB	235, 0, 150
Decimal	15401110
CIELab	51.68, 82.22, -14.28
CIELCh	52, 83.450, 350.146
Yxy	19.8642, 0.4408, 0.2202
Android (android.graphics.Color)	4293591190 (0xFFEB0096)
YUV	87.3650, 30.8791, 129.4759
Hunter-Lab	44.5693, 81.2606, -9.4832

Details

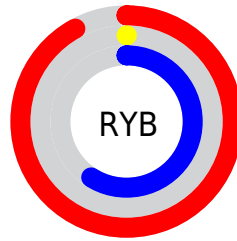
The Yxy color **19.8642, 0.4408, 0.2202** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **60.0754, 0.2851, 0.5462**, and the grayscale version is **9.5415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9854, 0.3729, 0.2250**, and **9.7851, 0.4646, 0.2333** is the 20% darker color. If you saturate the color by 10%, you get **19.8625, 0.4409, 0.2202**, and if you desaturate by 10%, it is **20.7838, 0.4249, 0.2165**.

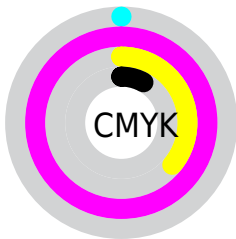
Distribution



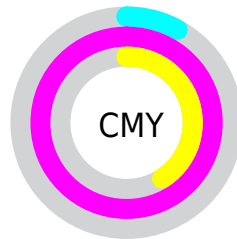
- Red (92%)
- Green (0%)
- Blue (59%)



- Red (92%)
- Yellow (0%)
- Blue (59%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (8%)




- Cyan (8%)
- Magenta (100%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8642, 0.4408, 0.2202 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 19.8642, 0.4408, 0.2202 by changing the saturation by 10% instead.


 19.8642, 0.4408,
0.2202


 19.8642, 0.4408,
0.2202


251.1790, 0.3710,
0.2771


 12.2964, 0.4601,
0.2054


 43.1894, 0.4141,
0.2414


 6.9459, 0.4858,
0.1863


 59.7155, 0.4044,
0.2492


 3.4283, 0.5218,
0.1607

 79.9966, 0.3965,
0.2557

 1.3592, 0.5748,
0.1255

 104.4169, 0.3898,
0.2613

 0.1864, 0.6824,
0.0420

 133.3609, 0.3840,
0.2661

 0.0000, 1.0000,
0.0000

 167.2130, 0.3791,

 0.0000, 0.0000,

0.2703

0.0000

206.3576, 0.3748,
0.2739

■ 19.8642, 0.4408,
0.2202

■ 19.8642, 0.4408,
0.2202

■ 19.8625, 0.4409,
0.2202

■ 20.7838, 0.4249,
0.2165

■ 22.4916, 0.4086,
0.2175

■ 25.2307, 0.3923,
0.2236

■ 29.1435, 0.3767,
0.2340

■ 34.3498, 0.3622,
0.2476

■ 40.9547, 0.3492,
0.2632

■ 49.0523, 0.3378,
0.2799

■ 58.7284, 0.3280,
0.2967

■ 70.0623, 0.3197,
0.3133

Harmonies

Analogous

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



19.8642, 0.2826, 0.1639



19.8642, 0.4408, 0.2202



19.8642, 0.5696, 0.2936

Triad

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



19.8642, 0.4408, 0.2202



19.8642, 0.4015, 0.5766



19.8642, 0.0930, 0.1797

Complementary

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



19.8642, 0.4408, 0.2202



60.0754, 0.2851, 0.5462

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.



19.8642, 0.1069, 0.2874



19.8642, 0.4408, 0.2202



19.8642, 0.2780, 0.6154

Square

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



19.8642, 0.4408, 0.2202



19.8642, 0.5171, 0.4714



19.8642, 0.1686, 0.4789



19.8642, 0.1134, 0.1387

Rectangle

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



19.8642, 0.4408, 0.2202



19.8642, 0.5951, 0.3459



19.8642, 0.1686, 0.4789



19.8642, 0.0935, 0.2062

Sweetspot

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



19.8653, 0.4408, 0.2202



58.8634, 0.3380, 0.2796



7.8076, 0.1755, 0.0740



11.6701, 0.3427, 0.2725



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.



19.8653, 0.4408, 0.2202



23.8937, 0.4415, 0.2206



17.7875, 0.6219, 0.3200



15.2159, 0.3193, 0.3141



11.0796, 0.4384, 0.2189



0.8883, 0.4179, 0.2076

Inverse Universe

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



19.8653, 0.4408, 0.2202



23.8937, 0.4415, 0.2206



63.5769, 0.2383, 0.3777



15.2159, 0.3193, 0.3141



11.0796, 0.4384, 0.2189



0.8883, 0.4179, 0.2076

Previews

White Background



This preview shows how the Yxy color 19.8642, 0.4408, 0.2202 looks on a white background.

Color Contrast Check

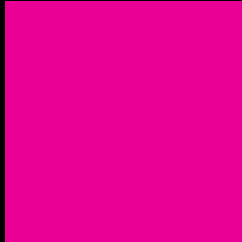
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8642, 0.4408, 0.2202 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 19.8642, 0.4408, 0.2202

Background



This preview shows how black text looks on a background with the Yxy color 19.8642, 0.4408, 0.2202.



This preview shows how white text looks on a background with the Yxy color 19.8642, 0.4408, 0.2202.

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

19.8642, 0.4408, 0.2202

Protanopia

20.7102, 0.2067, 0.1871

Deuteranopia

20.3140, 0.3023, 0.2956



Tritanopia

20.1229, 0.5663, 0.3282

Trichromacy



Original Color

19.8642, 0.4408, 0.2202



Protanomaly

14.6993, 0.2576, 0.1663



Deuteranomaly

15.6462, 0.3524, 0.2313



Tritanomaly

19.1655, 0.5320, 0.2862

Monochromacy



Original Color

19.8642, 0.4408, 0.2202



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.5209, 0.3747, 0.2352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8642, 0.4408, 0.2202 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(235, 0, 150)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 150)  
}
```

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(235, 0, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 150) }
```

Border

The CSS property to change the border of an element to Yxy 19.8642, 0.4408, 0.2202 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(235, 0, 150) }
```

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

```
.border{ border-color:rgb(235, 0, 150) }
```

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

Here you see how a box with a 4 pixel rgb(235, 0, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 150);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8642, 0.4408, 0.2202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 150) }
```

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

```
.background{ background-color: rgb(235, 0,  
150) }
```

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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