

Converting Colors

$Y_{xy}(19.6870, 0.4463, 0.2232)$

Have a look what the booklet for
Yxy(19.6870, 0.4463, 0.2232)
contains.

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Color

Yxy(19.7688, 0.4460, 0.2230)

Conversions

Conversions Part 1

Format	Color
Hex	EB0093
RGB	235, 0, 147
RGB Percent	92%, 0%, 58%
CMY	0.0783, 1.0000, 0.4235
CMYK	0.00, 1.00, 0.37, 0.08
HSL	322°, 100%, 46%
HSV	322°, 100%, 92%
XYZ	39.5376, 19.7688, 29.3429
YIQ	87.0230, 92.8730, 95.5370

Conversions

Conversions Part 2

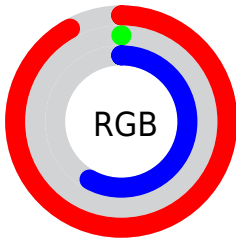
Format	Color
R_{YB}	235, 0, 147
Decimal	15401107
CIE _{Lab}	51.57, 81.97, -12.68
CIE _{LCh}	52, 82.949, 351.209
Yxy	19.7688, 0.4460, 0.2230
Android (android.graphics.Color)	4293591187 (0xFFEB0093)
YUV	87.0230, 29.5687, 129.7758
Hunter-Lab	44.4621, 80.9211, -8.0052

Details

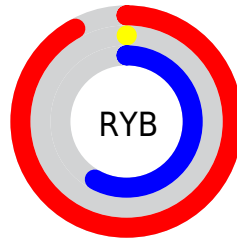
The Yxy color **19.7688, 0.4460, 0.2230** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **60.1427, 0.2841, 0.5428**, and the grayscale version is **9.4591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8428, 0.3765, 0.2277**, and **9.7288, 0.4718, 0.2373** is the 20% darker color. If you saturate the color by 10%, you get **19.7756, 0.4460, 0.2230**, and if you desaturate by 10%, it is **20.6956, 0.4294, 0.2190**.

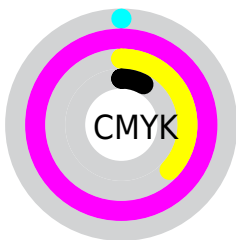
Distribution



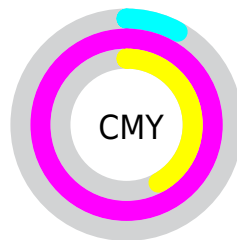
- Red (92%)
- Green (0%)
- Blue (58%)



- Red (92%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7688, 0.4460, 0.2230 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 19.7688, 0.4460, 0.2230 by changing the saturation by 10% instead.


 19.7688, 0.4460,
0.2230


 19.7688, 0.4460,
0.2230


250.6607, 0.3730,
0.2788


 12.2271, 0.4663,
0.2084


 43.0292, 0.4180,
0.2439


 6.8985, 0.4935,
0.1893


 59.5167, 0.4079,
0.2515

 3.3987, 0.5316,
0.1637

 79.7550, 0.3996,
0.2580

 1.3433, 0.5880,
0.1282

 104.1283, 0.3926,
0.2634

 0.1743, 0.7040,
0.0411

 133.0212, 0.3866,
0.2681

 0.0000, 1.0000,
0.0000

 166.8179, 0.3814,

 0.0000, 0.0000,

0.2721

0.0000

205.9030, 0.3770,
0.2757

■ 19.7688, 0.4460,
0.2230

■ 19.7688, 0.4460,
0.2230

■ 19.7756, 0.4460,
0.2230

■ 20.6956, 0.4294,
0.2190

■ 22.4049, 0.4123,
0.2197

■ 25.1465, 0.3953,
0.2255

■ 29.0632, 0.3790,
0.2357

■ 34.2750, 0.3640,
0.2490

■ 40.8869, 0.3505,
0.2644

■ 48.9932, 0.3387,
0.2807

■ 58.6798, 0.3285,
0.2973

■ 70.0263, 0.3199,
0.3135

Harmonies

Analogous

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



19.7688, 0.2878, 0.1659



19.7688, 0.4460, 0.2230



19.7688, 0.5713, 0.2966

Triad

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



19.7688, 0.4460, 0.2230



19.7688, 0.3972, 0.5791



19.7688, 0.0938, 0.1779

Complementary

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



19.7688, 0.4460, 0.2230



60.1427, 0.2841, 0.5428

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.



19.7688, 0.1063, 0.2823



19.7688, 0.4460, 0.2230



19.7688, 0.2742, 0.6125

Square

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



19.7688, 0.4460, 0.2230



19.7688, 0.5132, 0.4751



19.7688, 0.1661, 0.4710



19.7688, 0.1153, 0.1386

Rectangle

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



19.7688, 0.4460, 0.2230



19.7688, 0.5940, 0.3491



19.7688, 0.1661, 0.4710



19.7688, 0.0939, 0.2035

Sweetspot

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



19.7756, 0.4460, 0.2230



58.8104, 0.3388, 0.2805



7.9873, 0.1779, 0.0753



11.6575, 0.3436, 0.2735



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.



19.7756, 0.4460, 0.2230



23.7808, 0.4467, 0.2234



17.7692, 0.6252, 0.3218



15.2125, 0.3195, 0.3144



11.0277, 0.4434, 0.2217



0.8845, 0.4219, 0.2098

Inverse Universe

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



19.7756, 0.4460, 0.2230



23.7808, 0.4467, 0.2234



63.7830, 0.2367, 0.3720



15.2125, 0.3195, 0.3144



11.0277, 0.4434, 0.2217



0.8845, 0.4219, 0.2098

Previews

White Background



This preview shows how the Yxy color 19.7688, 0.4460, 0.2230 looks on a white background.

Color Contrast Check

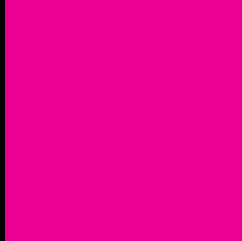
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7688, 0.4460, 0.2230 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 19.7688, 0.4460, 0.2230

Background



This preview shows how black text looks on a background with the Yxy color 19.7688, 0.4460, 0.2230.



This preview shows how white text looks on a background with the Yxy color 19.7688, 0.4460, 0.2230.

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

19.7688, 0.4460, 0.2230

Protanopia

20.6485, 0.2103, 0.1917

Deuteranopia

20.3062, 0.3068, 0.3008



Tritanopia

20.1754, 0.5688, 0.3282

Trichromacy



Original Color

19.7688, 0.4460, 0.2230



Protanomaly

14.7423, 0.2627, 0.1699



Deuteranomaly

15.6659, 0.3585, 0.2357



Tritanomaly

19.2516, 0.5348, 0.2870

Monochromacy



Original Color

19.7688, 0.4460, 0.2230



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.4992, 0.3767, 0.2368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7688, 0.4460, 0.2230 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 147) }
```

Border

The CSS property to change the border of an element to Yxy 19.7688, 0.4460, 0.2230 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, 147) }
```

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

```
.border{ border-color:rgb(235, 0, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 147);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7688, 0.4460, 0.2230 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, 147) }
```

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

```
.background{ background-color: rgb(235, 0,  
147) }
```

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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