

Converting Colors

$Yxy(19.6814, 0.4466, 0.2234)$

Have a look what the booklet for
Yxy(19.6814, 0.4466, 0.2234)
contains.

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Color

Yxy(19.7375, 0.4477, 0.2240)

Conversions

Conversions Part 1

Format	Color
Hex	EB0092
RGB	235, 0, 146
RGB Percent	92%, 0%, 57%
CMY	0.0785, 0.9997, 0.4274
CMYK	0.00, 1.00, 0.38, 0.08
HSL	323°, 100%, 46%
HSV	323°, 100%, 92%
XYZ	39.4486, 19.7375, 28.9278
YIQ	86.9090, 93.1940, 95.2260

Conversions

Conversions Part 2

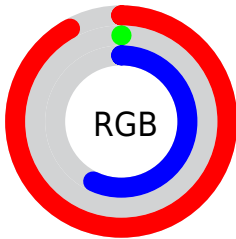
Format	Color
R_YB	235, 0, 146
Decimal	15401106
CIE _{Lab}	51.54, 81.85, -12.13
CIE _{LCh}	52, 82.741, 351.573
Yxy	19.7375, 0.4477, 0.2240
Android (android.graphics.Color)	4293591186 (0xFFEB0092)
YUV	86.9090, 29.1319, 129.8758
Hunter-Lab	44.4269, 80.7508, -7.5068

Details

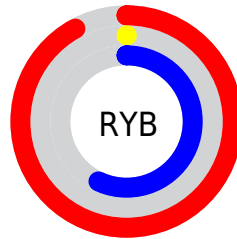
The Yxy color **19.7375, 0.4477, 0.2240** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **60.1368, 0.2837, 0.5415**, and the grayscale version is **9.4418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7959, 0.3777, 0.2286**, and **9.7288, 0.4718, 0.2373** is the 20% darker color. If you saturate the color by 10%, you get **19.7360, 0.4478, 0.2240**, and if you desaturate by 10%, it is **20.6609, 0.4308, 0.2199**.

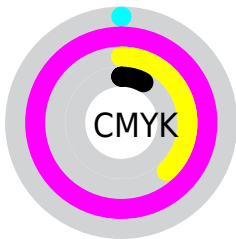
Distribution



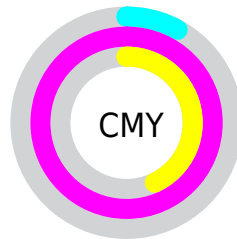
- Red (92%)
- Green (0%)
- Blue (57%)



- Red (92%)
- Yellow (0%)
- Blue (57%)



- Cyan (0%)
- Magenta (100%)
- Yellow (38%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7375, 0.4477, 0.2240 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 19.7375, 0.4477, 0.2240 by changing the saturation by 10% instead.


 19.7375, 0.4477,
0.2240


 19.7375, 0.4477,
0.2240


250.4905, 0.3737,
0.2794


 12.2044, 0.4683,
0.2094


 42.9766, 0.4192,
0.2448


 6.8830, 0.4960,
0.1904


 59.4515, 0.4090,
0.2524


 3.3891, 0.5348,
0.1648

 79.6756, 0.4006,
0.2587

 1.3381, 0.5924,
0.1292

 104.0335, 0.3935,
0.2641

 0.1704, 0.7112,
0.0408

 132.9096, 0.3874,
0.2688

 0.0000, 1.0000,
0.0000

 166.6881, 0.3822,

 0.0000, 0.0000,

0.2728

0.0000

205.7537, 0.3777,
0.2763

■ 19.7375, 0.4477,
0.2240

■ 19.7375, 0.4477,
0.2240

■ 19.7360, 0.4478,
0.2240

■ 20.6609, 0.4308,
0.2199

■ 22.3741, 0.4135,
0.2205

■ 25.1203, 0.3963,
0.2262

■ 29.0419, 0.3797,
0.2363

■ 34.2590, 0.3645,
0.2495

■ 40.8765, 0.3508,
0.2648

■ 48.9885, 0.3389,
0.2811

■ 58.6811, 0.3287,
0.2976

■ 70.0336, 0.3200,
0.3137

Harmonies

Analogous

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



19.7375, 0.2896, 0.1667



19.7375, 0.4477, 0.2240



19.7375, 0.5717, 0.2976

Triad

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



19.7375, 0.4477, 0.2240



19.7375, 0.3957, 0.5798



19.7375, 0.0941, 0.1774

Complementary

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



19.7375, 0.4477, 0.2240



60.1368, 0.2837, 0.5415

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.



19.7375, 0.1062, 0.2807



19.7375, 0.4477, 0.2240



19.7375, 0.2729, 0.6112

Square

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



19.7375, 0.4477, 0.2240



19.7375, 0.5118, 0.4764



19.7375, 0.1653, 0.4682



19.7375, 0.1160, 0.1386

Rectangle

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



19.7375, 0.4477, 0.2240



19.7375, 0.5935, 0.3502



19.7375, 0.1653, 0.4682



19.7375, 0.0940, 0.2027

Sweetspot

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



19.7386, 0.4477, 0.2240



58.7923, 0.3391, 0.2808



7.9882, 0.1779, 0.0754



11.6532, 0.3439, 0.2739



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.



19.7386, 0.4477, 0.2240



23.7426, 0.4484, 0.2244



17.7641, 0.6251, 0.3217



15.2114, 0.3196, 0.3145



11.0101, 0.4452, 0.2226



0.8832, 0.4234, 0.2106

Inverse Universe

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



19.7386, 0.4477, 0.2240



23.7426, 0.4484, 0.2244



63.7584, 0.2367, 0.3720



15.2114, 0.3196, 0.3145



11.0101, 0.4452, 0.2226



0.8832, 0.4234, 0.2106

Previews

White Background



This preview shows how the Yxy color 19.7375, 0.4477, 0.2240 looks on a white background.

Color Contrast Check

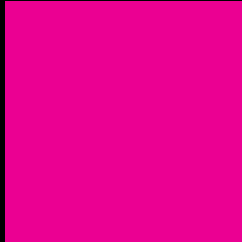
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7375, 0.4477, 0.2240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

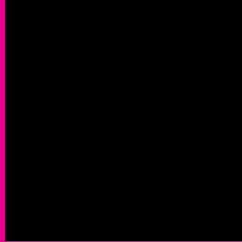
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7375, 0.4477, 0.2240

Background



This preview shows how black text looks on a background with the Yxy color 19.7375, 0.4477, 0.2240.



This preview shows how white text looks on a background with the Yxy color 19.7375, 0.4477, 0.2240.

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

19.7375, 0.4477, 0.2240

Protanopia

20.5972, 0.2118, 0.1939

Deuteranopia

20.2776, 0.3079, 0.3025



Tritanopia

20.1754, 0.5688, 0.3282

Trichromacy



Original Color

19.7375, 0.4477, 0.2240



Protanomaly

14.6567, 0.2645, 0.1718



Deuteranomaly

15.6362, 0.3600, 0.2370



Tritanomaly

19.2343, 0.5365, 0.2880

Monochromacy



Original Color

19.7375, 0.4477, 0.2240



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.4778, 0.3787, 0.2384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7375, 0.4477, 0.2240 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 146) }
```

Border

The CSS property to change the border of an element to Yxy 19.7375, 0.4477, 0.2240 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, 146) }
```

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

```
.border{ border-color:rgb(235, 0, 146) }
```

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, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 146);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7375, 0.4477, 0.2240 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, 146) }
```

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

```
.background{ background-color: rgb(235, 0,  
146) }
```

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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