

Converting Colors

$Yxy(19.6245, 0.4498, 0.2252)$

Have a look what the booklet for
Yxy(19.6245, 0.4498, 0.2252)
contains.

Yxy(19.7065, 0.4495, 0.2250)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.7065, 0.4495, 0.2250)

Conversions

Conversions Part 1

Format	Color
Hex	EB0091
RGB	235, 0, 145
RGB Percent	92%, 0%, 57%
CMY	0.0785, 0.9995, 0.4314
CMYK	0.00, 1.00, 0.38, 0.08
HSL	323°, 100%, 46%
HSV	323°, 100%, 92%
XYZ	39.3692, 19.7065, 28.5087
YIQ	86.7950, 93.5150, 94.9150

Conversions

Conversions Part 2

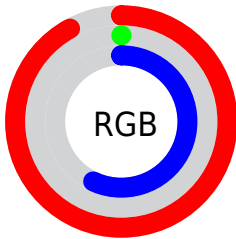
Format	Color
R_YB	235, 0, 145
Decimal	15401105
CIE _{Lab}	51.50, 81.75, -11.56
CIE _{LCh}	52, 82.564, 351.949
Yxy	19.7065, 0.4495, 0.2250
Android (android.graphics.Color)	4293591185 (0xFFEB0091)
YUV	86.7950, 28.6951, 129.9758
Hunter-Lab	44.3920, 80.6174, -7.0019

Details

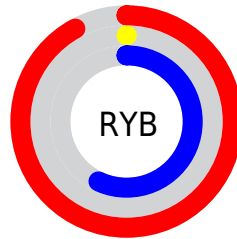
The Yxy color **19.7065, 0.4495, 0.2250** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **60.1548, 0.2834, 0.5402**, and the grayscale version is **9.4222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7493, 0.3789, 0.2294**, and **9.7105, 0.4743, 0.2386** is the 20% darker color. If you saturate the color by 10%, you get **19.7035, 0.4496, 0.2250**, and if you desaturate by 10%, it is **20.6317, 0.4324, 0.2208**.

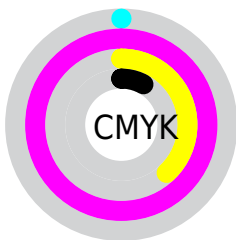
Distribution



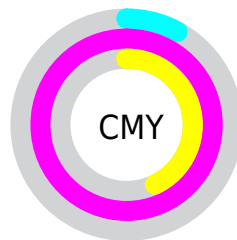
- Red (92%)
- Green (0%)
- Blue (57%)



- 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 19.7065, 0.4495, 0.2250 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 19.7065, 0.4495, 0.2250 by changing the saturation by 10% instead.


 19.7065, 0.4495,
0.2250


 19.7065, 0.4495,
0.2250


250.3218, 0.3744,
0.2801


 12.1819, 0.4705,
0.2105


 42.9246, 0.4206,
0.2456


 6.8677, 0.4986,
0.1915


 59.3868, 0.4102,
0.2532


 3.3795, 0.5382,
0.1659

 79.5970, 0.4016,
0.2595

 1.3329, 0.5969,
0.1302

 103.9396, 0.3944,
0.2649

 0.1665, 0.7186,
0.0405

 132.7990, 0.3883,
0.2695

 0.0000, 1.0000,
0.0000

 166.5596, 0.3830,

 0.0000, 0.0000,

0.2735

0.0000

205.6057, 0.3784,
0.2770

■ 19.7065, 0.4495,
0.2250

■ 19.7065, 0.4495,
0.2250

■ 19.7035, 0.4496,
0.2250

■ 20.6317, 0.4324,
0.2208

■ 22.3481, 0.4148,
0.2213

■ 25.0982, 0.3973,
0.2269

■ 29.0246, 0.3805,
0.2369

■ 34.2471, 0.3651,
0.2501

■ 40.8707, 0.3512,
0.2653

■ 48.9896, 0.3392,
0.2815

■ 58.6897, 0.3288,
0.2978

■ 70.0505, 0.3200,
0.3138

Harmonies

Analogous

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



19.7065, 0.2914, 0.1674



19.7065, 0.4495, 0.2250



19.7065, 0.5722, 0.2987

Triad

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



19.7065, 0.4495, 0.2250



19.7065, 0.3942, 0.5806



19.7065, 0.0944, 0.1768

Complementary

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



19.7065, 0.4495, 0.2250



60.1548, 0.2834, 0.5402

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.



19.7065, 0.1060, 0.2789



19.7065, 0.4495, 0.2250



19.7065, 0.2715, 0.6101

Square

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



19.7065, 0.4495, 0.2250



19.7065, 0.5104, 0.4777



19.7065, 0.1644, 0.4654



19.7065, 0.1167, 0.1386

Rectangle

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



19.7065, 0.4495, 0.2250



19.7065, 0.5931, 0.3513



19.7065, 0.1644, 0.4654



19.7065, 0.0942, 0.2018

Sweetspot

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



19.7076, 0.4495, 0.2250



58.7736, 0.3394, 0.2812



7.9905, 0.1779, 0.0754



11.6488, 0.3443, 0.2742



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.



19.7076, 0.4495, 0.2250



23.7036, 0.4503, 0.2254



17.7652, 0.6251, 0.3217



15.2102, 0.3197, 0.3146



10.9922, 0.4470, 0.2236



0.8818, 0.4248, 0.2114

Inverse Universe

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



19.7076, 0.4495, 0.2250



23.7036, 0.4503, 0.2254



63.7585, 0.2367, 0.3719



15.2102, 0.3197, 0.3146



10.9922, 0.4470, 0.2236



0.8818, 0.4248, 0.2114

Previews

White Background



This preview shows how the Yxy color 19.7065, 0.4495, 0.2250 looks on a white background.

Color Contrast Check

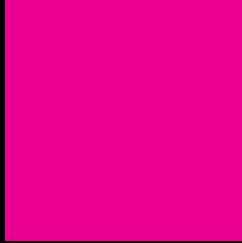
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7065, 0.4495, 0.2250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

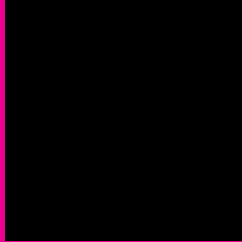
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7065, 0.4495, 0.2250

Background



This preview shows how black text looks on a background with the Yxy color 19.7065, 0.4495, 0.2250.



This preview shows how white text looks on a background with the Yxy color 19.7065, 0.4495, 0.2250.

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

19.7065, 0.4495, 0.2250

Protanopia

20.5970, 0.2129, 0.1952

Deuteranopia

20.3295, 0.3102, 0.3043



Tritanopia

20.0650, 0.5707, 0.3283

Trichromacy



Original Color

19.7065, 0.4495, 0.2250



Protanomaly

14.7023, 0.2667, 0.1732



Deuteranomaly

15.6069, 0.3616, 0.2384



Tritanomaly

19.1557, 0.5385, 0.2885

Monochromacy



Original Color

19.7065, 0.4495, 0.2250



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 19.7065, 0.4495, 0.2250 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 145) }
```

Border

The CSS property to change the border of an element to Yxy 19.7065, 0.4495, 0.2250 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, 145) }
```

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

```
.border{ border-color:rgb(235, 0, 145) }
```

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, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 145);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7065, 0.4495, 0.2250 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, 145) }
```

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

```
.background{ background-color: rgb(235, 0,  
145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor