

Converting Colors

$Yxy(19.3556, 0.4709, 0.2368)$

Have a look what the booklet for
Yxy(19.3556, 0.4709, 0.2368)
contains.

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Color

Yxy(19.3556, 0.4709, 0.2368)

Conversions

Conversions Part 1

Format	Color
Hex	EB0085
RGB	235, 0, 133
RGB Percent	92%, 0%, 52%
CMY	0.0785, 0.9993, 0.4785
CMYK	0.00, 1.00, 0.43, 0.08
HSL	326°, 100%, 46%
HSV	326°, 100%, 92%
XYZ	38.4905, 19.3556, 23.8921
YIQ	85.4270, 97.3670, 91.1830

Conversions

Conversions Part 2

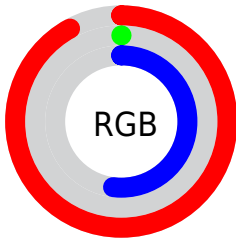
Format	Color
R_{YB}	235, 0, 133
Decimal	15401093
CIE _{Lab}	51.10, 80.69, -4.94
CIE _{LCh}	51, 80.845, 356.496
Yxy	19.3556, 0.4709, 0.2368
Android (android.graphics.Color)	4293591173 (0xFFEB0085)
YUV	85.4270, 23.4535, 131.1755
Hunter-Lab	43.9950, 79.1755, -1.4017

Details

The Yxy color **19.3556, 0.4709, 0.2368** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **60.3730, 0.2791, 0.5247**, and the grayscale version is **9.1343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1709, 0.3949, 0.2413**, and **9.5243, 0.5010, 0.2534** is the 20% darker color. If you saturate the color by 10%, you get **19.3508, 0.4710, 0.2369**, and if you desaturate by 10%, it is **20.2888, 0.4508, 0.2313**.

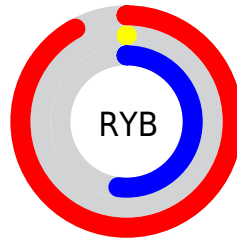
Distribution



Red (92%)

Green (0%)

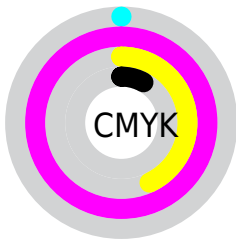
Blue (52%)



Red (92%)

Yellow (0%)

Blue (52%)

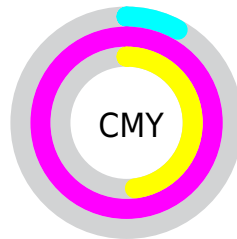


Cyan (0%)

Magenta (100%)

Yellow (43%)

Black (8%)



Cyan (8%)


Magenta (100%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3556, 0.4709, 0.2368 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 19.3556, 0.4709, 0.2368 by changing the saturation by 10% instead.


 19.3556, 0.4709,
0.2368


 19.3556, 0.4709,
0.2368

248.4049, 0.3827,
0.2872


 11.9275, 0.4960,
0.2229


 42.3341, 0.4366,
0.2561

 6.6943, 0.5300,
0.2043


 58.6533, 0.4244,
0.2631

 3.2717, 0.5783,
0.1786

 78.7051, 0.4143,
0.2688

 1.2752, 0.6502,
0.1415

 102.8737, 0.4059,
0.2737

 0.1219, 0.8235,
0.0358

 131.5436, 0.3988,
0.2778

 0.0000, 1.0000,
0.0000

 165.0991, 0.3926,

 0.0000, 0.0000,

0.2814

0.0000

203.9248, 0.3873,
0.2845

■ 19.3556, 0.4709,
0.2368

■ 19.3556, 0.4709,
0.2368

■ 19.3508, 0.4710,
0.2369

■ 20.2888, 0.4508,
0.2313

■ 22.0199, 0.4301,
0.2306

■ 24.7908, 0.4095,
0.2352

■ 28.7443, 0.3899,
0.2442

■ 34.0004, 0.3720,
0.2563

■ 40.6643, 0.3561,
0.2703

■ 48.8304, 0.3424,
0.2853

■ 58.5846, 0.3307,
0.3004

■ 70.0067, 0.3209,
0.3151

Harmonies

Analogous

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



19.3556, 0.3138, 0.1761



19.3556, 0.4709, 0.2368



19.3556, 0.5782, 0.3113

Triad

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



19.3556, 0.4709, 0.2368



19.3556, 0.3761, 0.5901



19.3556, 0.0976, 0.1697

Complementary

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



19.3556, 0.4709, 0.2368



60.3730, 0.2791, 0.5247

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.



19.3556, 0.1039, 0.2592



19.3556, 0.4709, 0.2368



19.3556, 0.2550, 0.5948

Square

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



19.3556, 0.4709, 0.2368



19.3556, 0.4934, 0.4934



19.3556, 0.1541, 0.4326



19.3556, 0.1249, 0.1383

Rectangle

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



19.3556, 0.4709, 0.2368



19.3556, 0.5877, 0.3647



19.3556, 0.1541, 0.4326



19.3556, 0.0958, 0.1913

Sweetspot

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



19.3567, 0.4709, 0.2368



58.5617, 0.3426, 0.2850



8.8217, 0.1886, 0.0813



11.5983, 0.3482, 0.2786



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.



19.3567, 0.4709, 0.2368



23.2806, 0.4719, 0.2373



17.7006, 0.6345, 0.3269



15.1968, 0.3204, 0.3158



10.7971, 0.4680, 0.2352



0.8671, 0.4420, 0.2209

Inverse Universe

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



19.3567, 0.4709, 0.2368



23.2806, 0.4719, 0.2373



64.5422, 0.2305, 0.3497



15.1968, 0.3204, 0.3158



10.7971, 0.4680, 0.2352



0.8671, 0.4420, 0.2209

Previews

White Background



This preview shows how the Yxy color 19.3556, 0.4709, 0.2368 looks on a white background.

Color Contrast Check

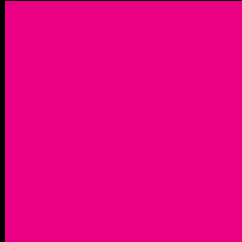
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3556, 0.4709, 0.2368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

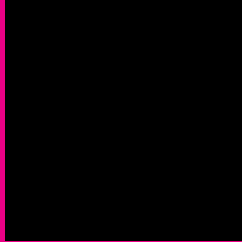
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3556, 0.4709, 0.2368

Background



This preview shows how black text looks on a background with the Yxy color 19.3556, 0.4709, 0.2368.

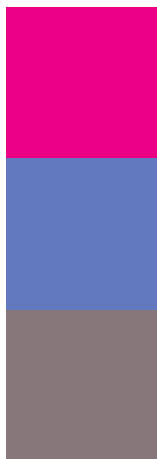


This preview shows how white text looks on a background with the Yxy color 19.3556, 0.4709, 0.2368.

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

19.3556, 0.4709, 0.2368

Protanopia

20.0330, 0.2279, 0.2146

Deuteranopia

19.7746, 0.3282, 0.3219



Tritanopia

19.8015, 0.5799, 0.3291

Trichromacy



Original Color

19.3556, 0.4709, 0.2368



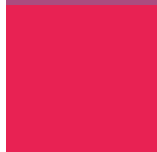
Protanomaly

14.5059, 0.2900, 0.1901



Deuteranomaly

15.3591, 0.3843, 0.2543



Tritanomaly

18.9244, 0.5507, 0.2943

Monochromacy



Original Color

19.3556, 0.4709, 0.2368



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

9.2871, 0.3873, 0.2459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3556, 0.4709, 0.2368 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 133) }
```

Border

The CSS property to change the border of an element to Yxy 19.3556, 0.4709, 0.2368 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, 133) }
```

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

```
.border{ border-color:rgb(235, 0, 133) }
```

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, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 133);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3556, 0.4709, 0.2368 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, 133) }
```

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

```
.background{ background-color: rgb(235, 0,  
133) }
```

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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