

Converting Colors

$Y_{xy}(20.2799, 0.4407, 0.2201)$

Have a look what the booklet for
Yxy(20.2799, 0.4407, 0.2201)
contains.

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Color

Yxy(20.2389, 0.4413, 0.2205)

Conversions

Conversions Part 1

Format	Color
Hex	ED0097
RGB	237, 0, 151
RGB Percent	93%, 0%, 59%
CMY	0.0707, 0.9991, 0.4079
CMYK	0.00, 1.00, 0.36, 0.07
HSL	322°, 100%, 47%
HSV	322°, 100%, 93%
XYZ	40.5053, 20.2389, 31.0422
YIQ	88.0770, 92.7810, 97.2050

Conversions

Conversions Part 2

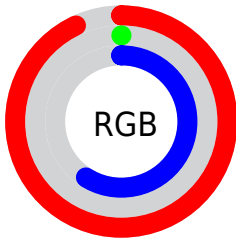
Format	Color
R_{YB}	237, 0, 151
Decimal	15532183
CIE _{Lab}	52.11, 82.70, -14.21
CIE _{LCh}	52, 83.916, 350.253
Yxy	20.2389, 0.4413, 0.2205
Android (android.graphics.Color)	4293722263 (0xFFED0097)
YUV	88.0770, 31.0210, 130.6055
Hunter-Lab	44.9877, 81.9868, -9.4196

Details

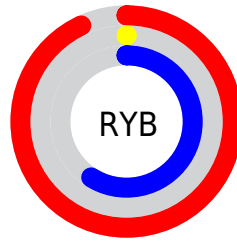
The Yxy color **20.2389, 0.4413, 0.2205** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **61.2349, 0.2850, 0.5458**, and the grayscale version is **9.7207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2172, 0.3716, 0.2249**, and **10.0341, 0.4651, 0.2336** is the 20% darker color. If you saturate the color by 10%, you get **20.2326, 0.4414, 0.2206**, and if you desaturate by 10%, it is **21.1752, 0.4253, 0.2167**.

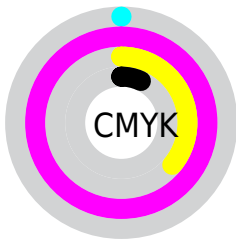
Distribution



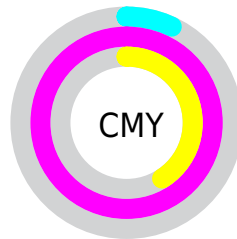
- Red (93%)
- Green (0%)
- Blue (59%)



- Red (93%)
- Yellow (0%)
- Blue (59%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2389, 0.4413, 0.2205 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 20.2389, 0.4413, 0.2205 by changing the saturation by 10% instead.


 20.2389, 0.4413,
0.2205

 20.2389, 0.4413,
0.2205


253.2055, 0.3714,
0.2771


 12.5688, 0.4605,
0.2058


 43.8174, 0.4146,
0.2415

 7.1323, 0.4862,
0.1869


 60.4945, 0.4049,
0.2493


 3.5450, 0.5219,
0.1616


 80.9428, 0.3970,
0.2558

 1.4224, 0.5744,
0.1269

 105.5467, 0.3902,
0.2614

 0.2332, 0.6767,
0.0500

 134.6905, 0.3845,
0.2661

 0.0000, 0.9674,
0.0000

 168.7586, 0.3795,

 0.0000, 1.0000,

0.2703

0.0000

208.1355, 0.3752,
0.2739

■ 0.0000, 0.0000,
0.0000

■ 20.2389, 0.4413,
0.2205

■ 20.2389, 0.4413,
0.2205

■ 20.2326, 0.4414,
0.2206

■ 21.1752, 0.4253,
0.2167

■ 22.9189, 0.4089,
0.2177

■ 25.7150, 0.3926,
0.2238

■ 29.7089, 0.3769,
0.2342

■ 35.0231, 0.3624,
0.2478

■ 41.7644, 0.3493,
0.2634

■ 50.0290, 0.3379,
0.2800

■ 59.9045, 0.3280,
0.2969

■ 71.4718, 0.3197,
0.3134

Harmonies

Analogous

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



20.2389, 0.2831, 0.1641



20.2389, 0.4413, 0.2205



20.2389, 0.5697, 0.2939

Triad

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



20.2389, 0.4413, 0.2205



20.2389, 0.4011, 0.5768



20.2389, 0.0931, 0.1796

Complementary

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



20.2389, 0.4413, 0.2205



61.2349, 0.2850, 0.5458

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.



20.2389, 0.1069, 0.2869



20.2389, 0.4413, 0.2205



20.2389, 0.2777, 0.6151

Square

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



20.2389, 0.4413, 0.2205



20.2389, 0.5167, 0.4717



20.2389, 0.1684, 0.4781



20.2389, 0.1136, 0.1387

Rectangle

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



20.2389, 0.4413, 0.2205



20.2389, 0.5949, 0.3463



20.2389, 0.1684, 0.4781



20.2389, 0.0936, 0.2060

Sweetspot

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



20.2401, 0.4413, 0.2205



58.8579, 0.3381, 0.2797



7.9612, 0.1755, 0.0741



11.6688, 0.3428, 0.2726



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.



20.2401, 0.4413, 0.2205



23.8820, 0.4420, 0.2209



18.1320, 0.6219, 0.3200



15.2155, 0.3193, 0.3141



11.0742, 0.4389, 0.2192



0.8879, 0.4183, 0.2078

Inverse Universe

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



20.2401, 0.4413, 0.2205



23.8820, 0.4420, 0.2209



64.7985, 0.2383, 0.3777



15.2155, 0.3193, 0.3141



11.0742, 0.4389, 0.2192



0.8879, 0.4183, 0.2078

Previews

White Background



This preview shows how the Yxy color 20.2389, 0.4413, 0.2205 looks on a white background.

Color Contrast Check

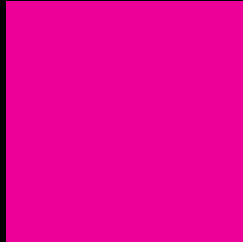
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2389, 0.4413, 0.2205 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 20.2389, 0.4413, 0.2205

Background



This preview shows how black text looks on a background with the Yxy color 20.2389, 0.4413, 0.2205.



This preview shows how white text looks on a background with the Yxy color 20.2389, 0.4413, 0.2205.

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

20.2389, 0.4413, 0.2205

Protanopia

21.0551, 0.2072, 0.1878

Deuteranopia

20.6378, 0.3035, 0.2975



Tritanopia

20.5684, 0.5655, 0.3282

Trichromacy



Original Color

20.2389, 0.4413, 0.2205



Protanomaly

14.8300, 0.2579, 0.1659



Deuteranomaly

16.0084, 0.3551, 0.2336



Tritanomaly

19.5180, 0.5319, 0.2859

Monochromacy



Original Color

20.2389, 0.4413, 0.2205



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.7268, 0.3741, 0.2357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2389, 0.4413, 0.2205 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(237, 0, 151)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 151)  
}
```

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(237, 0, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 151) }
```

Border

The CSS property to change the border of an element to Yxy 20.2389, 0.4413, 0.2205 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(237, 0, 151) }
```

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

```
.border{ border-color:rgb(237, 0, 151) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 151);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2389, 0.4413, 0.2205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 151) }
```

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

```
.background{ background-color: rgb(237, 0,  
151) }
```

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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