

Converting Colors

$Y_{xy}(20.9219, 0.4394, 0.2246)$

Have a look what the booklet for
Yxy(20.9219, 0.4394, 0.2246)
contains.

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Color

Yxy(20.8922, 0.4396, 0.2249)

Conversions

Conversions Part 1

Format	Color
Hex	ED1897
RGB	237, 24, 151
RGB Percent	93%, 9%, 59%
CMY	0.0706, 0.9057, 0.4078
CMYK	0.00, 0.90, 0.36, 0.07
HSL	324°, 86%, 51%
HSV	324°, 90%, 93%
XYZ	40.8369, 20.8922, 31.1664
YIQ	102.1650, 86.1810, 84.6530

Conversions

Conversions Part 2

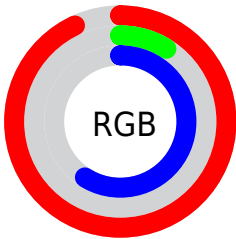
Format	Color
R_{YB}	237, 24, 151
Decimal	15538327
CIE _{Lab}	52.83, 80.60, -13.13
CIE _{LCh}	53, 81.666, 350.746
Yxy	20.8922, 0.4396, 0.2249
Android (android.graphics.Color)	4293728407 (0xFFED1897)
YUV	102.1650, 24.0757, 118.2503
Hunter-Lab	45.7080, 79.4882, -8.4319

Details

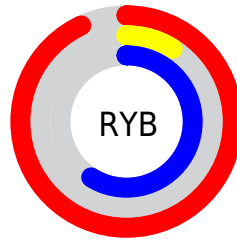
The Yxy color **20.8922, 0.4396, 0.2249** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **61.8848, 0.2783, 0.5144**, and the grayscale version is **13.2588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3683, 0.3707, 0.2296**, and **10.0341, 0.4651, 0.2336** is the 20% darker color. If you saturate the color by 10%, you get **19.9473, 0.4579, 0.2297**, and if you desaturate by 10%, it is **22.6551, 0.4208, 0.2250**.

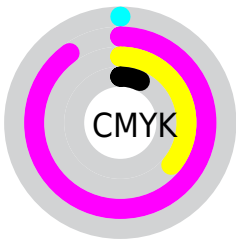
Distribution



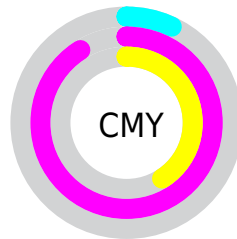
- Red (93%)
- Green (9%)
- Blue (59%)



- Red (93%)
- Yellow (9%)
- Blue (59%)



- Cyan (0%)
- Magenta (90%)
- Yellow (36%)
- Black (7%)





- Cyan (7%)
- Magenta (91%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8922, 0.4396, 0.2249 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 20.8922, 0.4396, 0.2249 by changing the saturation by 10% instead.


 20.8922, 0.4396,
0.2249


 20.8922, 0.4396,
0.2249


256.7050, 0.3707,
0.2793


 13.0452, 0.4585,
0.2108


 44.9081, 0.4133,
0.2451

 7.4597, 0.4838,
0.1925


 61.8457, 0.4038,
0.2526


 3.7512, 0.5191,
0.1679


 82.5824, 0.3959,
0.2589

 1.5354, 0.5710,
0.1341

 107.5025, 0.3893,
0.2642

 0.3134, 0.6674,
0.0650

 136.9905, 0.3836,
0.2688

 0.0000, 0.9592,
0.0000

171.4306, 0.3787,

 0.0000, 1.0000,

0.2727

0.0000

211.2073, 0.3744,
0.2762

■ 0.0000, 0.0000,
0.0000

■ 20.8922, 0.4396,
0.2249

■ 20.8922, 0.4396,
0.2249

■ 19.9473, 0.4579,
0.2297

■ 22.6551, 0.4208,
0.2250

■ 19.9355, 0.4582,
0.2298

■ 25.4748, 0.4020,
0.2303

■ 29.4978, 0.3841,
0.2399

■ 34.8466, 0.3677,
0.2526

■ 41.6284, 0.3531,
0.2674

■ 49.9392, 0.3404,
0.2831

■ 59.8668, 0.3295,
0.2990

■ 71.4922, 0.3203,
0.3144

■ 84.8911, 0.3126,
0.3292

Harmonies

Analogous

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



20.8922, 0.2868, 0.1690



20.8922, 0.4396, 0.2249



20.8922, 0.5623, 0.2976

Triad

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



20.8922, 0.4396, 0.2249



20.8922, 0.3997, 0.5721



20.8922, 0.0981, 0.1833

Complementary

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



20.8922, 0.4396, 0.2249



61.8848, 0.2783, 0.5144

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.



20.8922, 0.1117, 0.2870



20.8922, 0.4396, 0.2249



20.8922, 0.2791, 0.6028

Square

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



20.8922, 0.4396, 0.2249



20.8922, 0.5112, 0.4723



20.8922, 0.1721, 0.4688



20.8922, 0.1188, 0.1432

Rectangle

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



20.8922, 0.4396, 0.2249



20.8922, 0.5867, 0.3497



20.8922, 0.1721, 0.4688



20.8922, 0.0985, 0.2090

Sweetspot

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



20.8934, 0.4396, 0.2249



61.9983, 0.3372, 0.2875



10.0347, 0.1944, 0.0889



12.4667, 0.3412, 0.2820



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.



20.8934, 0.4396, 0.2249



23.5286, 0.4589, 0.2301



18.8505, 0.6071, 0.3203



15.2048, 0.3200, 0.3150



10.9115, 0.4553, 0.2282



0.8758, 0.4316, 0.2151

Inverse Universe

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



20.8934, 0.4396, 0.2249



23.5286, 0.4589, 0.2301



65.7008, 0.2339, 0.3573



15.2048, 0.3200, 0.3150



10.9115, 0.4553, 0.2282



0.8758, 0.4316, 0.2151

Previews

White Background



This preview shows how the Yxy color 20.8922, 0.4396, 0.2249 looks on a white background.

Color Contrast Check

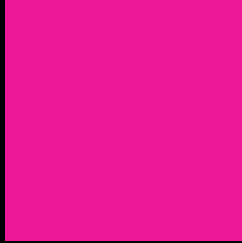
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8922, 0.4396, 0.2249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

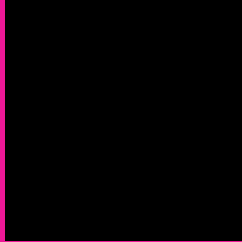
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8922, 0.4396, 0.2249

Background



This preview shows how black text looks on a background with the Yxy color 20.8922, 0.4396, 0.2249.



This preview shows how white text looks on a background with the Yxy color 20.8922, 0.4396, 0.2249.

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

20.8922, 0.4396, 0.2249

Protanopia

21.3931, 0.2117, 0.1933

Deuteranopia

21.0756, 0.3047, 0.2978



Tritanopia

21.0925, 0.5602, 0.3281

Trichromacy



Original Color

20.8922, 0.4396, 0.2249



Protanomaly

16.5368, 0.2641, 0.1812



Deuteranomaly

17.5187, 0.3532, 0.2444



Tritanomaly

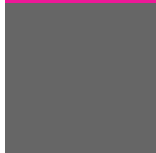
20.5336, 0.5250, 0.2902

Monochromacy



Original Color

20.8922, 0.4396, 0.2249



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

12.8329, 0.3669, 0.2531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8922, 0.4396, 0.2249 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, 24, 151)` looks like.

```
.text, #text, p{  
    color:rgb(237, 24, 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, 24, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 24, 151) }
```

Border

The CSS property to change the border of an element to Yxy 20.8922, 0.4396, 0.2249 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, 24, 151) }
```

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

```
.border{ border-color:rgb(237, 24, 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, 24, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 24, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 24, 151);  
box-shadow:4px 4px 4px 4px rgb(237, 24,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8922, 0.4396, 0.2249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 24, 151) }
```

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

```
.background{ background-color: rgb(237, 24,  
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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