

Converting Colors

$Y_{xy}(20.8746, 0.4350, 0.2203)$

Have a look what the booklet for
Yxy(20.8746, 0.4350, 0.2203)
contains.

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Color

Yxy(20.9446, 0.4347, 0.2200)

Conversions

Conversions Part 1

Format	Color
Hex	EE119B
RGB	238, 17, 155
RGB Percent	93%, 7%, 61%
CMY	0.0665, 0.9339, 0.3921
CMYK	0.00, 0.93, 0.35, 0.07
HSL	323°, 87%, 50%
HSV	323°, 93%, 93%
XYZ	41.3846, 20.9446, 32.8735
YIQ	98.8110, 87.4180, 89.7700

Conversions

Conversions Part 2

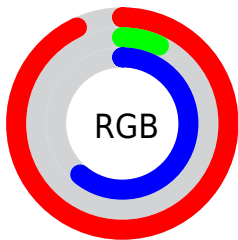
Format	Color
R _Y B	238, 17, 155
Decimal	15602075
CIE Lab	52.89, 82.03, -15.40
CIE LCh	53, 83.467, 349.370
Yxy	20.9446, 0.4347, 0.2200
Android (android.graphics.Color)	4293792155 (0xFFEE119B)
YUV	98.8110, 27.7012, 122.0688
Hunter-Lab	45.7653, 81.3248, -10.5527

Details

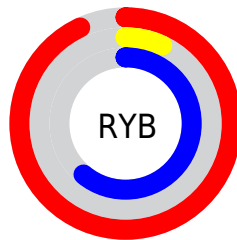
The Yxy color **20.9446, 0.4347, 0.2200** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **62.2028, 0.2815, 0.5289**, and the grayscale version is **12.3209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1708, 0.3664, 0.2245**, and **10.2296, 0.4572, 0.2292** is the 20% darker color. If you saturate the color by 10%, you get **20.3420, 0.4465, 0.2233**, and if you desaturate by 10%, it is **22.4234, 0.4177, 0.2191**.

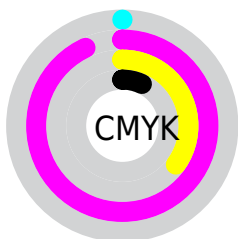
Distribution



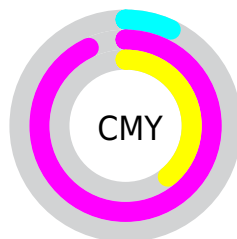
- Red (93%)
- Green (7%)
- Blue (61%)



- Red (93%)
- Yellow (7%)
- Blue (61%)



- Cyan (0%)
- Magenta (93%)
- Yellow (35%)
- Black (7%)




- Cyan (7%)
- Magenta (93%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9446, 0.4347, 0.2200 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 20.9446, 0.4347, 0.2200 by changing the saturation by 10% instead.


 20.9446, 0.4347,
0.2200


 20.9446, 0.4347,
0.2200

256.9839, 0.3689,
0.2764


 13.0835, 0.4526,
0.2055


 44.9953, 0.4097,
0.2408

 7.4861, 0.4764,
0.1869


 61.9537, 0.4006,
0.2486


 3.7679, 0.5094,
0.1622


 82.7134, 0.3931,
0.2551

 1.5446, 0.5575,
0.1285

 107.6587, 0.3867,
0.2606

 0.3198, 0.6457,
0.0622

 137.1740, 0.3813,
0.2654

 0.0000, 0.8580,
0.0000

171.6437, 0.3766,

 0.0000, 1.0000,

0.2696

0.0000

211.4522, 0.3725,
0.2732

■ 0.0000, 0.0000,
0.0000

■ 20.9446, 0.4347,
0.2200

■ 20.9446, 0.4347,
0.2200

■ 20.3420, 0.4465,
0.2233

■ 22.4234, 0.4177,
0.2191

■ 24.9146, 0.4005,
0.2234

■ 28.5761, 0.3839,
0.2324

■ 33.5376, 0.3684,
0.2449

■ 39.9115, 0.3544,
0.2598

■ 47.7979, 0.3420,
0.2759

■ 57.2878, 0.3314,
0.2925

■ 68.4649, 0.3223,
0.3089

■ 81.4071, 0.3147,
0.3246

Harmonies

Analogous

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



20.9446, 0.2797, 0.1648



20.9446, 0.4347, 0.2200



20.9446, 0.5635, 0.2927

Triad

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



20.9446, 0.4347, 0.2200



20.9446, 0.4049, 0.5714



20.9446, 0.0952, 0.1837

Complementary

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



20.9446, 0.4347, 0.2200



62.2028, 0.2815, 0.5289

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.



20.9446, 0.1103, 0.2925



20.9446, 0.4347, 0.2200



20.9446, 0.2828, 0.6111

Square

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



20.9446, 0.4347, 0.2200



20.9446, 0.5177, 0.4680



20.9446, 0.1734, 0.4812



20.9446, 0.1146, 0.1414

Rectangle

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



20.9446, 0.4347, 0.2200



20.9446, 0.5912, 0.3448



20.9446, 0.1734, 0.4812



20.9446, 0.0960, 0.2107

Sweetspot

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



20.9458, 0.4347, 0.2200



60.9874, 0.3367, 0.2839



9.1658, 0.1855, 0.0823



12.0672, 0.3415, 0.2767



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.



20.9458, 0.4347, 0.2200



23.7727, 0.4470, 0.2236



18.7791, 0.6086, 0.3178



15.9249, 0.3195, 0.3144



11.3714, 0.4440, 0.2219



0.9652, 0.4234, 0.2106

Inverse Universe

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



20.9458, 0.4347, 0.2200



23.7727, 0.4470, 0.2236



65.8656, 0.2366, 0.3687



15.9249, 0.3195, 0.3144



11.3714, 0.4440, 0.2219



0.9652, 0.4234, 0.2106

Previews

White Background



This preview shows how the Yxy color 20.9446, 0.4347, 0.2200 looks on a white background.

Color Contrast Check

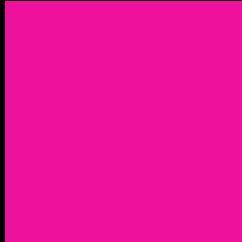
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9446, 0.4347, 0.2200 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 20.9446, 0.4347, 0.2200

Background



This preview shows how black text looks on a background with the Yxy color 20.9446, 0.4347, 0.2200.



This preview shows how white text looks on a background with the Yxy color 20.9446, 0.4347, 0.2200.

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

20.9446, 0.4347, 0.2200

Protanopia

21.5139, 0.2058, 0.1855

Deuteranopia

21.2542, 0.2992, 0.2944



Tritanopia

21.0925, 0.5602, 0.3281

Trichromacy



Original Color

20.9446, 0.4347, 0.2200



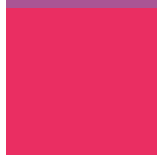
Protanomaly

16.1452, 0.2563, 0.1710



Deuteranomaly

17.1812, 0.3479, 0.2374



Tritanomaly

20.3283, 0.5230, 0.2865

Monochromacy



Original Color

20.9446, 0.4347, 0.2200



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

12.0722, 0.3685, 0.2467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9446, 0.4347, 0.2200 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(238, 17, 155)` looks like.

```
.text, #text, p{  
  color:rgb(238, 17, 155)  
}
```

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(238, 17, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 17, 155) }
```

Border

The CSS property to change the border of an element to Yxy 20.9446, 0.4347, 0.2200 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(238, 17, 155) }
```

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

```
.border{ border-color:rgb(238, 17, 155) }
```

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

Here you see how a box with a 4 pixel rgb(238, 17, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 17, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 17, 155);  
box-shadow:4px 4px 4px 4px rgb(238, 17,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9446, 0.4347, 0.2200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 17, 155) }
```

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

```
.background{ background-color: rgb(238, 17,  
155) }
```

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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