

Converting Colors

$Y_{xy}(22.2878, 0.4232, 0.2154)$

Have a look what the booklet for
Yxy(22.2878, 0.4232, 0.2154)
contains.

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Color

Yxy(22.2471, 0.4223, 0.2148)

Conversions

Conversions Part 1

Format	Color
Hex	F218A5
RGB	242, 24, 165
RGB Percent	95%, 9%, 65%
CMY	0.0509, 0.9059, 0.3529
CMYK	0.00, 0.90, 0.32, 0.05
HSL	321°, 89%, 52%
HSV	321°, 90%, 95%
XYZ	43.7381, 22.2471, 37.5860
YIQ	105.2560, 84.6670, 90.0670

Conversions

Conversions Part 2

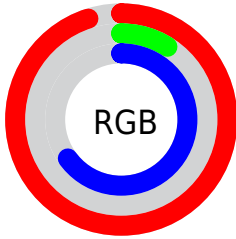
Format	Color
R_{YB}	242, 24, 165
Decimal	15866021
CIE _{Lab}	54.29, 83.05, -19.11
CIE _{LCh}	54, 85.225, 347.041
Yxy	22.2471, 0.4223, 0.2148
Android (android.graphics.Color)	4294056101 (0xFFFF218A5)
YUV	105.2560, 29.4538, 119.9245
Hunter-Lab	47.1668, 82.9823, -14.2298

Details

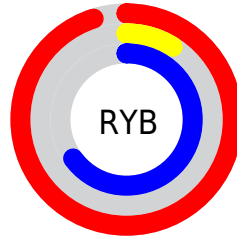
The Yxy color **22.2471, 0.4223, 0.2148** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **64.6429, 0.2824, 0.5294**, and the grayscale version is **14.1004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3279, 0.3539, 0.2175**, and **10.8956, 0.4425, 0.2211** is the 20% darker color. If you saturate the color by 10%, you get **21.2968, 0.4376, 0.2184**, and if you desaturate by 10%, it is **24.0470, 0.4065, 0.2159**.

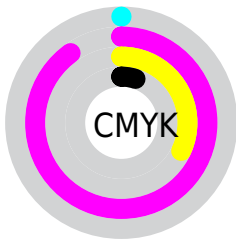
Distribution



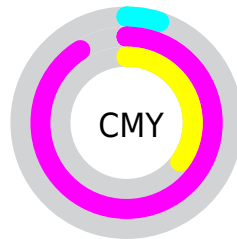
- Red (95%)
- Green (9%)
- Blue (65%)



- Red (95%)
- Yellow (9%)
- Blue (65%)



- Cyan (0%)
- Magenta (90%)
- Yellow (32%)
- Black (5%)




- Cyan (5%)
- Magenta (91%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2471, 0.4223, 0.2148 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 22.2471, 0.4223, 0.2148 by changing the saturation by 10% instead.


 22.2471, 0.4223,
0.2148


 22.2471, 0.4223,
0.2148


263.8340, 0.3644,
0.2727


 14.0386, 0.4376,
0.2004


 47.1541, 0.4006,
0.2359

 8.1475, 0.4578,
0.1820

 64.6213, 0.3926,
0.2438

 4.1895, 0.4852,
0.1580


 85.9435, 0.3860,
0.2505

 1.7801, 0.5244,
0.1260

 111.5052, 0.3803,
0.2562

 0.4747, 0.5891,
0.0742

 141.6907, 0.3755,
0.2612

 0.0000, 0.7083,
0.0000

176.8844, 0.3713,

 0.0000, 1.0000,

0.2655

0.0000

217.4707, 0.3676,
0.2693

■ 0.0000, 0.0000,
0.0000

■ 22.2471, 0.4223,
0.2148

■ 22.2471, 0.4223,
0.2148

■ 21.2968, 0.4376,
0.2184

■ 24.0470, 0.4065,
0.2159

■ 26.9461, 0.3907,
0.2220

■ 31.0997, 0.3755,
0.2325

■ 36.6367, 0.3613,
0.2462

■ 43.6703, 0.3486,
0.2621

■ 52.3016, 0.3375,
0.2789

■ 62.6230, 0.3279,
0.2961

■ 74.7199, 0.3197,
0.3128

■ 88.6717, 0.3128,
0.3289

Harmonies

Analogous

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



22.2471, 0.2692, 0.1615



22.2471, 0.4223, 0.2148



22.2471, 0.5570, 0.2868

Triad

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



22.2471, 0.4223, 0.2148



22.2471, 0.4143, 0.5642



22.2471, 0.0950, 0.1892

Complementary

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



22.2471, 0.4223, 0.2148



64.6429, 0.2824, 0.5294

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.



22.2471, 0.1132, 0.3047



22.2471, 0.4223, 0.2148



22.2471, 0.2921, 0.6136

Square

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



22.2471, 0.4223, 0.2148



22.2471, 0.5250, 0.4598



22.2471, 0.1805, 0.4965



22.2471, 0.1118, 0.1430

Rectangle

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



22.2471, 0.4223, 0.2148



22.2471, 0.5909, 0.3386



22.2471, 0.1805, 0.4965



22.2471, 0.0967, 0.2181

Sweetspot

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



22.2483, 0.4223, 0.2148



62.1925, 0.3344, 0.2841



9.7907, 0.1863, 0.0843



12.5127, 0.3379, 0.2782



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.



22.2483, 0.4223, 0.2148



23.9740, 0.4380, 0.2186



19.8241, 0.5964, 0.3138



15.9311, 0.3192, 0.3138



11.4669, 0.4351, 0.2171



0.9728, 0.4161, 0.2066

Inverse Universe

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



22.2483, 0.4223, 0.2148



23.9740, 0.4380, 0.2186



68.3219, 0.2381, 0.3725



15.9311, 0.3192, 0.3138



11.4669, 0.4351, 0.2171



0.9728, 0.4161, 0.2066

Previews

White Background



This preview shows how the Yxy color 22.2471, 0.4223, 0.2148 looks on a white background.

Color Contrast Check

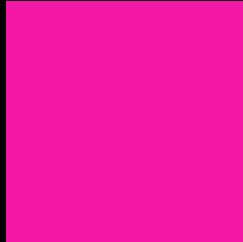
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2471, 0.4223, 0.2148 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 22.2471, 0.4223, 0.2148

Background



This preview shows how black text looks on a background with the Yxy color 22.2471, 0.4223, 0.2148.



This preview shows how white text looks on a background with the Yxy color 22.2471, 0.4223, 0.2148.

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

22.2471, 0.4223, 0.2148

Protanopia

22.8113, 0.1997, 0.1773

Deuteranopia

22.4174, 0.2902, 0.2836



Tritanopia

22.4220, 0.5516, 0.3273

Trichromacy



Original Color

22.2471, 0.4223, 0.2148



Protanomaly

17.4418, 0.2463, 0.1661



Deuteranomaly

18.5516, 0.3359, 0.2322



Tritanomaly

21.6530, 0.5125, 0.2842

Monochromacy



Original Color

22.2471, 0.4223, 0.2148



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.6698, 0.3606, 0.2473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2471, 0.4223, 0.2148 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(242, 24, 165)` looks like.

```
.text, #text, p{  
    color:rgb(242, 24, 165)  
}
```

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(242, 24, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 24, 165) }
```

Border

The CSS property to change the border of an element to Yxy 22.2471, 0.4223, 0.2148 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(242, 24, 165) }
```

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

```
.border{ border-color:rgb(242, 24, 165) }
```

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

Here you see how a box with a 4 pixel rgb(242, 24, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 24, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 24, 165);  
box-shadow:4px 4px 4px 4px rgb(242, 24,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2471, 0.4223, 0.2148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 24, 165) }
```

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

```
.background{ background-color: rgb(242, 24,  
165) }
```

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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