

Converting Colors

$Y_{xy}(24.9227, 0.4227, 0.2139)$

Have a look what the booklet for
Yxy(24.9227, 0.4227, 0.2139)
contains.

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Color

Yxy(24.8898, 0.4227, 0.2140)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF16AE |
| RGB | 255, 22, 174 |
| RGB Percent | 100%, 9%, 68% |
| CMY | 0.0000, 0.9133, 0.3177 |
| CMYK | 0.00, 0.91, 0.32, 0.00 |
| HSL | 321°, 100%, 54% |
| HSV | 321°, 91%, 100% |
| XYZ | 49.1632, 24.8898, 42.2545 |
| YIQ | 108.9950, 90.0760, 96.6680 |

Conversions

Conversions Part 2

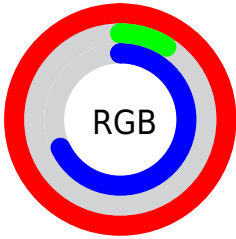
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 22, 174 |
| Decimal | 16717486 |
| CIE Lab | 56.97, 86.85, -20.08 |
| CIE LCh | 57, 89.136, 346.984 |
| Yxy | 24.8898, 0.4227, 0.2140 |
| Android (android.graphics.Color) | 4294907566 (0xFFFF16AE) |
| YUV | 108.9950, 32.0475, 128.0464 |
| Hunter-Lab | 49.8897, 88.5937, -15.2934 |

Details

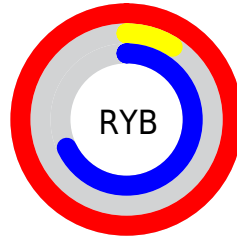
The Yxy color **24.8898, 0.4227, 0.2140** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **72.6653, 0.2833, 0.5341**, and the grayscale version is **15.1957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2812, 0.3432, 0.2108**, and **12.7179, 0.4435, 0.2217** is the 20% darker color. If you saturate the color by 10%, you get **24.0223, 0.4357, 0.2174**, and if you desaturate by 10%, it is **26.7521, 0.4072, 0.2144**.

Distribution



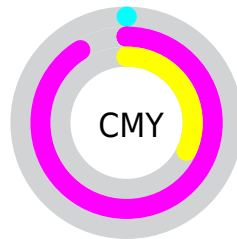
- Red (100%)
- Green (9%)
- Blue (68%)



- Red (100%)
- Yellow (9%)
- Blue (68%)



- Cyan (0%)
- Magenta (91%)
- Yellow (32%)
- Black (0%)





- Cyan (0%)
- Magenta (91%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8898, 0.4227, 0.2140 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 24.8898, 0.4227, 0.2140 by changing the saturation by 10% instead.


 24.8898, 0.4227,
0.2140


 24.8898, 0.4227,
0.2140


277.2887, 0.3656,
0.2712


 15.9950, 0.4374,
0.2001


 51.4784, 0.4016,
0.2346


 9.5206, 0.4565,
0.1826


 69.9409, 0.3938,
0.2423

 5.0823, 0.4822,
0.1601


 92.3615, 0.3872,
0.2490

 2.2956, 0.5181,
0.1303

 119.1245, 0.3816,
0.2547

 0.7714, 0.5712,
0.0903

 150.6144, 0.3768,
0.2596

 0.0000, 0.6802,
0.0000

187.2154, 0.3726,

 0.0000, 1.0000,

0.2639

0.0000

229.3120, 0.3689,
0.2678

■ 0.0000, 0.0000,
0.0000

■ 24.8898, 0.4227,
0.2140

■ 24.8898, 0.4227,
0.2140

■ 24.0223, 0.4357,
0.2174


■ 26.7521, 0.4072,
0.2144


■ 29.8295, 0.3916,
0.2200

■ 34.3033, 0.3765,
0.2300


■ 40.3234, 0.3625,
0.2435

■ 48.0205, 0.3497,
0.2593

 57.5110, 0.3385,
0.2762

 68.9010, 0.3288,
0.2935

 82.2883, 0.3205,
0.3106

 97.7640, 0.3136,
0.3269

Harmonies

Analogous

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



24.8898, 0.2686, 0.1606



24.8898, 0.4227, 0.2140



24.8898, 0.5585, 0.2861

Triad

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



24.8898, 0.4227, 0.2140



24.8898, 0.4144, 0.5650



24.8898, 0.0940, 0.1884

Complementary

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



24.8898, 0.4227, 0.2140



72.6653, 0.2833, 0.5341

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.



24.8898, 0.1122, 0.3046



24.8898, 0.4227, 0.2140



24.8898, 0.2917, 0.6159

Square

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



24.8898, 0.4227, 0.2140



24.8898, 0.5258, 0.4595



24.8898, 0.1796, 0.4983



24.8898, 0.1108, 0.1421

Rectangle

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



24.8898, 0.4227, 0.2140



24.8898, 0.5925, 0.3380



24.8898, 0.1796, 0.4983



24.8898, 0.0957, 0.2174

Sweetspot

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



24.8912, 0.4227, 0.2140



62.2137, 0.3341, 0.2837



10.4908, 0.1820, 0.0811



12.5177, 0.3376, 0.2778



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.



24.8912, 0.4227, 0.2140



24.0248, 0.4357, 0.2174



22.1714, 0.5968, 0.3123



18.1868, 0.3192, 0.3136



12.5828, 0.4333, 0.2161



1.2458, 0.4171, 0.2072

Inverse Universe

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



24.8912, 0.4227, 0.2140



24.0248, 0.4357, 0.2174



76.6510, 0.2396, 0.3786



18.1868, 0.3192, 0.3136



12.5828, 0.4333, 0.2161



1.2458, 0.4171, 0.2072

Previews

White Background



This preview shows how the Yxy color 24.8898, 0.4227, 0.2140 looks on a white background.

Color Contrast Check

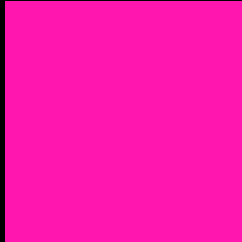
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8898, 0.4227, 0.2140 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 24.8898, 0.4227, 0.2140

Background



This preview shows how black text looks on a background with the Yxy color 24.8898, 0.4227, 0.2140.



This preview shows how white text looks on a background with the Yxy color 24.8898, 0.4227, 0.2140.

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

24.8898, 0.4227, 0.2140

Protanopia

25.5888, 0.1987, 0.1765

Deuteranopia

25.0621, 0.2892, 0.2839



Tritanopia

24.9573, 0.5536, 0.3274

Trichromacy



Original Color

24.8898, 0.4227, 0.2140



Protanomaly

19.1070, 0.2438, 0.1624



Deuteranomaly

20.4056, 0.3366, 0.2301



Tritanomaly

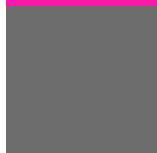
24.1812, 0.5152, 0.2840

Monochromacy



Original Color

24.8898, 0.4227, 0.2140



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.6826, 0.3610, 0.2433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8898, 0.4227, 0.2140 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(255, 22, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 22, 174)  
}
```

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(255, 22, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 22, 174) }
```

Border

The CSS property to change the border of an element to Yxy 24.8898, 0.4227, 0.2140 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(255, 22, 174) }
```

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

```
.border{ border-color:rgb(255, 22, 174) }
```

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

Here you see how a box with a 4 pixel rgb(255, 22, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 22, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 22, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 22,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8898, 0.4227, 0.2140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 22, 174) }
```

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

```
.background{ background-color: rgb(255, 22,  
174) }
```

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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