

Converting Colors

$Y_{xy}(24.8731, 0.4172, 0.2222)$

Have a look what the booklet for
Yxy(24.8731, 0.4172, 0.2222)
contains.

Yxy(24.8731, 0.4172, 0.2222)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.8731, 0.4172, 0.2222)

Conversions

Conversions Part 1

Format	Color
Hex	F731AA
RGB	247, 49, 170
RGB Percent	97%, 19%, 67%
CMY	0.0315, 0.8074, 0.3334
CMYK	0.00, 0.80, 0.31, 0.03
HSL	323°, 92%, 58%
HSV	323°, 80%, 97%
XYZ	46.7014, 24.8731, 40.3656
YIQ	121.9960, 79.1670, 79.6070

Conversions

Conversions Part 2

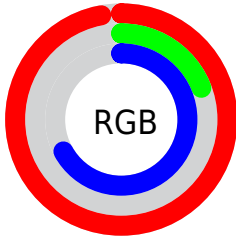
Format	Color
R _Y B	247, 49, 170
Decimal	16200106
CIE _{Lab}	56.95, 80.10, -17.90
CIE _{LCh}	57, 82.077, 347.406
Yxy	24.8731, 0.4172, 0.2222
Android (android.graphics.Color)	4294390186 (0xFFFF731AA)
YUV	121.9960, 23.6660, 109.6285
Hunter-Lab	49.8729, 79.8712, -13.0764

Details

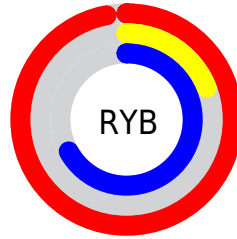
The Yxy color **24.8731, 0.4172, 0.2222** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **68.6626, 0.2776, 0.4977**, and the grayscale version is **19.3786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4188, 0.3472, 0.2237**, and **11.6223, 0.4387, 0.2191** is the 20% darker color. If you saturate the color by 10%, you get **22.9890, 0.4352, 0.2220**, and if you desaturate by 10%, it is **27.9169, 0.3993, 0.2276**.

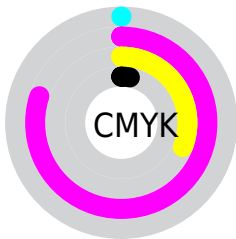
Distribution



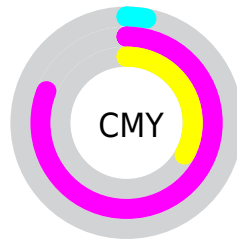
- Red (97%)
- Green (19%)
- Blue (67%)



- Red (97%)
- Yellow (19%)
- Blue (67%)



- Cyan (0%)
- Magenta (80%)
- Yellow (31%)
- Black (3%)





- Cyan (3%)
- Magenta (81%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8731, 0.4172, 0.2222 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 24.8731, 0.4172, 0.2222 by changing the saturation by 10% instead.


 24.8731, 0.4172,
0.2222


 24.8731, 0.4172,
0.2222


277.2054, 0.3626,
0.2759


 15.9825, 0.4315,
0.2089


 51.4513, 0.3968,
0.2417

 9.5118, 0.4501,
0.1921


 69.9077, 0.3893,
0.2490


 5.0765, 0.4754,
0.1701


 92.3215, 0.3831,
0.2552

 2.2922, 0.5113,
0.1406

 119.0771, 0.3777,
0.2605

 0.7696, 0.5655,
0.0997

 150.5589, 0.3731,
0.2651

 0.0000, 0.6836,
0.0000

187.1513, 0.3692,

 0.0000, 1.0000,

0.2692

0.0000

229.2386, 0.3657,
0.2727

■ 0.0000, 0.0000,
0.0000

■ 24.8731, 0.4172,
0.2222

■ 24.8731, 0.4172,
0.2222

■ 22.9890, 0.4352,
0.2220

■ 27.9169, 0.3993,
0.2276


■ 21.9983, 0.4524,
0.2266


■ 32.2785, 0.3821,
0.2373


■ 38.0953, 0.3663,
0.2503

■ 45.4862, 0.3522,
0.2654

■ 54.5579, 0.3398,
0.2815

 65.4076, 0.3292,
0.2977

 78.1251, 0.3203,
0.3136

 92.7940, 0.3128,
0.3288

 98.5074, 0.3078,
0.3290

Harmonies

Analogous

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



24.8731, 0.2742, 0.1703



24.8731, 0.4172, 0.2222



24.8731, 0.5416, 0.2924

Triad

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



24.8731, 0.4172, 0.2222



24.8731, 0.4130, 0.5546



24.8731, 0.1048, 0.1975

Complementary

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



24.8731, 0.4172, 0.2222



68.6626, 0.2776, 0.4977

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.



24.8731, 0.1234, 0.3066



24.8731, 0.4172, 0.2222



24.8731, 0.2964, 0.5915

Square

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



24.8731, 0.4172, 0.2222



24.8731, 0.5161, 0.4599



24.8731, 0.1891, 0.4807



24.8731, 0.1213, 0.1522

Rectangle

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



24.8731, 0.4172, 0.2222



24.8731, 0.5744, 0.3434



24.8731, 0.1891, 0.4807



24.8731, 0.1067, 0.2253

Sweetspot

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



24.8745, 0.4172, 0.2222



65.5350, 0.3332, 0.2914



13.2742, 0.2045, 0.1031



13.1466, 0.3370, 0.2856



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.



24.8745, 0.4172, 0.2222



24.0114, 0.4457, 0.2245



22.4428, 0.5688, 0.3142



16.6527, 0.3198, 0.3146



11.6668, 0.4496, 0.2251



1.0455, 0.4291, 0.2137

Inverse Universe

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



24.8745, 0.4172, 0.2222



24.0114, 0.4457, 0.2245



72.5296, 0.2370, 0.3584



16.6527, 0.3198, 0.3146



11.6668, 0.4496, 0.2251



1.0455, 0.4291, 0.2137

Previews

White Background



This preview shows how the Yxy color 24.8731, 0.4172, 0.2222 looks on a white background.

Color Contrast Check

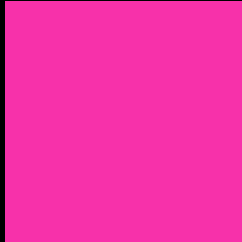
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8731, 0.4172, 0.2222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

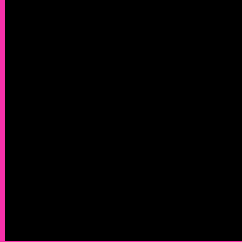
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8731, 0.4172, 0.2222

Background



This preview shows how black text looks on a background with the Yxy color 24.8731, 0.4172, 0.2222.



This preview shows how white text looks on a background with the Yxy color 24.8731, 0.4172, 0.2222.

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

24.8731, 0.4172, 0.2222

Protanopia

25.3048, 0.2112, 0.1927

Deuteranopia

25.0772, 0.2921, 0.2871



Tritanopia

24.9173, 0.5318, 0.3261

Trichromacy



Original Color

24.8731, 0.4172, 0.2222



Protanomaly

20.9300, 0.2599, 0.1864



Deuteranomaly

21.8458, 0.3341, 0.2440



Tritanomaly

24.4267, 0.4940, 0.2865

Monochromacy



Original Color

24.8731, 0.4172, 0.2222



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.2640, 0.3547, 0.2624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8731, 0.4172, 0.2222 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(247, 49, 170)` looks like.

```
.text, #text, p{  
    color:rgb(247, 49, 170)  
}
```

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(247, 49, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 49, 170) }
```

Border

The CSS property to change the border of an element to Yxy 24.8731, 0.4172, 0.2222 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(247, 49, 170) }
```

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

```
.border{ border-color:rgb(247, 49, 170) }
```

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

Here you see how a box with a 4 pixel rgb(247, 49, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 49, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 49, 170);  
box-shadow:4px 4px 4px 4px rgb(247, 49,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8731, 0.4172, 0.2222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 49, 170) }
```

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

```
.background{ background-color: rgb(247, 49,  
170) }
```

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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