

Converting Colors

$Y_{xy}(24.4870, 0.3798, 0.1866)$

Have a look what the booklet for
Yxy(24.4870, 0.3798, 0.1866)
contains.

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Color

Yxy(24.4941, 0.3803, 0.1869)

Conversions

Conversions Part 1

Format	Color
Hex	FA00C8
RGB	250, 0, 200
RGB Percent	98%, 0%, 78%
CMY	0.0197, 0.9987, 0.2158
CMYK	0.00, 1.00, 0.20, 0.02
HSL	312°, 100%, 49%
HSV	312°, 100%, 98%
XYZ	49.8401, 24.4941, 56.7204
YIQ	97.5500, 84.8000, 115.2000

Conversions

Conversions Part 2

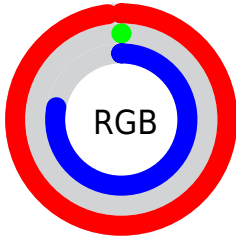
Format	Color
R_{YB}	250, 0, 200
Decimal	16384200
CIE _{Lab}	56.58, 90.36, -35.79
CIE _{LCh}	57, 97.185, 338.392
Yxy	24.4941, 0.3803, 0.1869
Android (android.graphics.Color)	4294574280 (0xFFFA00C8)
YUV	97.5500, 50.5078, 133.6986
Hunter-Lab	49.4915, 93.1469, -33.3060

Details

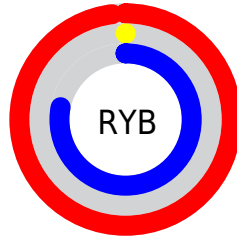
The Yxy color **24.4941, 0.3803, 0.1869** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **68.5932, 0.2951, 0.5822**, and the grayscale version is **12.0008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9827, 0.3193, 0.1894**, and **12.7667, 0.3871, 0.1906** is the 20% darker color. If you saturate the color by 10%, you get **24.4853, 0.3804, 0.1869**, and if you desaturate by 10%, it is **25.4355, 0.3729, 0.1868**.

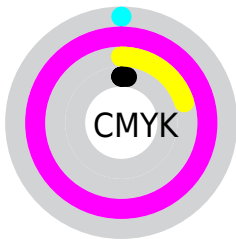
Distribution



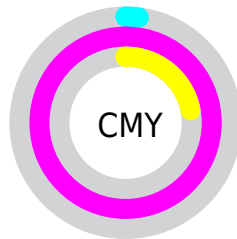
- Red (98%)
- Green (0%)
- Blue (78%)



- Red (98%)
- Yellow (0%)
- Blue (78%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (2%)



- Cyan (2%)
- Magenta (100%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4941, 0.3803, 0.1869 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 24.4941, 0.3803, 0.1869 by changing the saturation by 10% instead.

 24.4941, 0.3803,
0.1869


 24.4941, 0.3803,
0.1869


275.3091, 0.3481,
0.2545


 15.7005, 0.3877,
0.1714


 50.8353, 0.3690,
0.2105


 9.3125, 0.3967,
0.1526


 69.1518, 0.3647,
0.2196

 4.9456, 0.4080,
0.1292


 91.4113, 0.3609,
0.2275

 2.2154, 0.4220,
0.1000

 117.9983, 0.3577,
0.2343

 0.7284, 0.4397,
0.0637

 149.2972, 0.3548,
0.2403

 0.0000, 0.4707,
0.0000


185.6923, 0.3523,

 0.0000, 0.4729,

0.2456


0.0000


227.5682, 0.3501,
0.2503


 0.0000, 0.0000,
0.0000

 24.4941, 0.3803,
0.1869


 24.4941, 0.3803,
0.1869


 24.4853, 0.3804,
0.1869

 25.4355, 0.3729,
0.1868

 27.2808, 0.3652,
0.1908

 30.3012, 0.3572,
0.1996

 34.6624, 0.3493,
0.2127

 40.5036, 0.3416,
0.2291

■ 47.9466, 0.3345,
0.2480

■ 57.1004, 0.3279,
0.2683

■ 68.0647, 0.3221,
0.2890

■ 80.9312, 0.3171,
0.3095

Harmonies

Analogous

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



24.4941, 0.2258, 0.1399



24.4941, 0.3803, 0.1869



24.4941, 0.5470, 0.2576

Triad

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



24.4941, 0.3803, 0.1869



24.4941, 0.4517, 0.5462



24.4941, 0.0830, 0.2017

Complementary

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



24.4941, 0.3803, 0.1869



68.5932, 0.2951, 0.5822

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.



24.4941, 0.1121, 0.3548



24.4941, 0.3803, 0.1869



24.4941, 0.3193, 0.6390

Square

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



24.4941, 0.3803, 0.1869



24.4941, 0.5631, 0.4281



24.4941, 0.1967, 0.5753



24.4941, 0.0914, 0.1385

Rectangle

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



24.4941, 0.3803, 0.1869



24.4941, 0.6065, 0.3091



24.4941, 0.1967, 0.5753



24.4941, 0.0877, 0.2404

Sweetspot

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



24.4954, 0.3803, 0.1869



59.5720, 0.3280, 0.2679



7.5925, 0.1587, 0.0648



11.8402, 0.3307, 0.2593



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.



24.4954, 0.3803, 0.1869



25.6154, 0.3805, 0.1870



20.8381, 0.5805, 0.2972



17.4615, 0.3169, 0.3102



13.0114, 0.3792, 0.1863



1.2197, 0.3709, 0.1817

Inverse Universe

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



24.4954, 0.3803, 0.1869



25.6154, 0.3805, 0.1870



71.4583, 0.2532, 0.4316



17.4615, 0.3169, 0.3102



13.0114, 0.3792, 0.1863



1.2197, 0.3709, 0.1817

Previews

White Background



This preview shows how the Yxy color 24.4941, 0.3803, 0.1869 looks on a white background.

Color Contrast Check

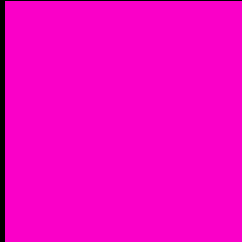
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4941, 0.3803, 0.1869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

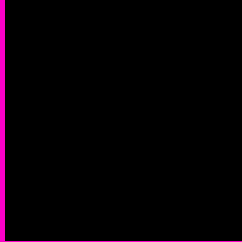
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4941, 0.3803, 0.1869

Background



This preview shows how black text looks on a background with the Yxy color 24.4941, 0.3803, 0.1869.



This preview shows how white text looks on a background with the Yxy color 24.4941, 0.3803, 0.1869.

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

24.4941, 0.3803, 0.1869

Protanopia

25.3728, 0.1909, 0.1664

Deuteranopia

24.9807, 0.2527, 0.2474



Tritanopia

24.7418, 0.5311, 0.3261

Trichromacy



Original Color

24.4941, 0.3803, 0.1869



Protanomaly

17.8135, 0.2251, 0.1404



Deuteranomaly

18.7862, 0.2907, 0.1883



Tritanomaly

23.0207, 0.4842, 0.2640

Monochromacy



Original Color

24.4941, 0.3803, 0.1869



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.9668, 0.3471, 0.2159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4941, 0.3803, 0.1869 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(250, 0, 200)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 200)  
}
```

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(250, 0, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 200) }
```

Border

The CSS property to change the border of an element to Yxy 24.4941, 0.3803, 0.1869 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(250, 0, 200) }
```

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

```
.border{ border-color:rgb(250, 0, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 0, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 200);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4941, 0.3803, 0.1869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 200) }
```

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

```
.background{ background-color: rgb(250, 0,  
200) }
```

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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