

Converting Colors

$Y_{xy}(22.7916, 0.3807, 0.1871)$

Have a look what the booklet for
Yxy(22.7916, 0.3807, 0.1871)
contains.

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Color

Yxy(22.7275, 0.3810, 0.1873)

Conversions

Conversions Part 1

Format	Color
Hex	F200C1
RGB	242, 0, 193
RGB Percent	95%, 0%, 76%
CMY	0.0511, 0.9984, 0.2433
CMYK	0.00, 1.00, 0.20, 0.05
HSL	312°, 100%, 48%
HSV	312°, 100%, 95%
XYZ	46.2316, 22.7275, 52.3837
YIQ	94.3600, 82.2790, 111.3270

Conversions

Conversions Part 2

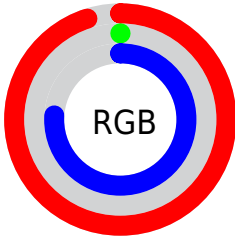
Format	Color
R _Y B	242, 0, 193
Decimal	15859905
CIE Lab	54.79, 88.09, -34.66
CIE LCh	55, 94.664, 338.521
Yxy	22.7275, 0.3810, 0.1873
Android (android.graphics.Color)	4294049985 (0xFFFF200C1)
YUV	94.3600, 48.6295, 129.4803
Hunter-Lab	47.6734, 89.6733, -31.7767

Details

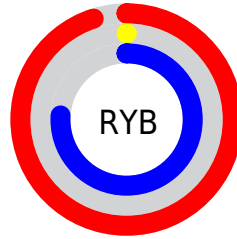
The Yxy color **22.7275, 0.3810, 0.1873** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **63.7110, 0.2949, 0.5815**, and the grayscale version is **11.2073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2765, 0.3239, 0.1915**, and **11.6878, 0.3898, 0.1921** is the 20% darker color. If you saturate the color by 10%, you get **22.7162, 0.3811, 0.1873**, and if you desaturate by 10%, it is **23.6210, 0.3735, 0.1872**.

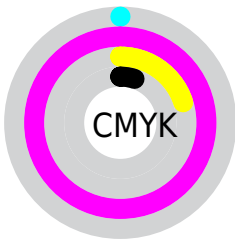
Distribution



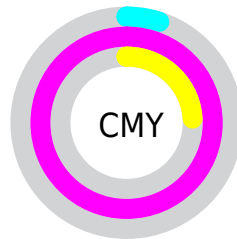
- Red (95%)
- Green (0%)
- Blue (76%)



- Red (95%)
- Yellow (0%)
- Blue (76%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7275, 0.3810, 0.1873 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 22.7275, 0.3810, 0.1873 by changing the saturation by 10% instead.


 22.7275, 0.3810,
0.1873


 22.7275, 0.3810,
0.1873


266.3223, 0.3479,
0.2557


 14.3924, 0.3887,
0.1714


 47.9455, 0.3693,
0.2113


 8.3941, 0.3982,
0.1519


 65.5972, 0.3649,
0.2206

 4.3481, 0.4102,
0.1276


 87.1232, 0.3610,
0.2286

 1.8702, 0.4252,
0.0971

 112.9080, 0.3577,
0.2355

 0.5303, 0.4460,
0.0554

 143.3359, 0.3548,
0.2415

 0.0000, 0.4741,
0.0000

178.7913, 0.3522,

 0.0000, 0.4825,

0.2468

0.0000

219.6586, 0.3500,
0.2515

■ 0.0000, 0.0000,
0.0000

■ 22.7275, 0.3810,
0.1873

■ 22.7275, 0.3810,
0.1873

■ 22.7162, 0.3811,
0.1873

■ 23.6210, 0.3735,
0.1872

■ 25.3525, 0.3656,
0.1913

■ 28.1746, 0.3576,
0.2001

■ 32.2400, 0.3495,
0.2132

■ 37.6770, 0.3418,
0.2296

■ 44.5978, 0.3346,
0.2485

■ 53.1031, 0.3280,
0.2686

■ 63.2848, 0.3222,
0.2892

■ 75.2277, 0.3171,
0.3096

Harmonies

Analogous

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



22.7275, 0.2264, 0.1402



22.7275, 0.3810, 0.1873



22.7275, 0.5472, 0.2580

Triad

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



22.7275, 0.3810, 0.1873



22.7275, 0.4515, 0.5471



22.7275, 0.0831, 0.2014

Complementary

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



22.7275, 0.3810, 0.1873



63.7110, 0.2949, 0.5815

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.



22.7275, 0.1120, 0.3539



22.7275, 0.3810, 0.1873



22.7275, 0.3189, 0.6389

Square

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



22.7275, 0.3810, 0.1873



22.7275, 0.5628, 0.4288



22.7275, 0.1964, 0.5741



22.7275, 0.0917, 0.1385

Rectangle

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



22.7275, 0.3810, 0.1873



22.7275, 0.6063, 0.3095



22.7275, 0.1964, 0.5741



22.7275, 0.0878, 0.2399

Sweetspot

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



22.7287, 0.3810, 0.1873



59.5607, 0.3282, 0.2681



7.0635, 0.1589, 0.0649



11.8375, 0.3309, 0.2595



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.



22.7287, 0.3810, 0.1873



25.5850, 0.3813, 0.1874



19.3592, 0.5799, 0.2970



15.9733, 0.3169, 0.3104



12.2275, 0.3799, 0.1867



1.0310, 0.3707, 0.1816

Inverse Universe

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



22.7287, 0.3810, 0.1873



25.5850, 0.3813, 0.1874



66.3691, 0.2532, 0.4314



15.9733, 0.3169, 0.3104



12.2275, 0.3799, 0.1867



1.0310, 0.3707, 0.1816

Previews

White Background



This preview shows how the Yxy color 22.7275, 0.3810, 0.1873 looks on a white background.

Color Contrast Check

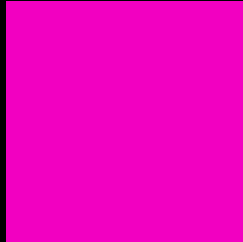
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7275, 0.3810, 0.1873 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 22.7275, 0.3810, 0.1873

Background



This preview shows how black text looks on a background with the Yxy color 22.7275, 0.3810, 0.1873.



This preview shows how white text looks on a background with the Yxy color 22.7275, 0.3810, 0.1873.

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

22.7275, 0.3810, 0.1873

Protanopia

23.5881, 0.1852, 0.1584

Deuteranopia

23.4203, 0.2537, 0.2483



Tritanopia

23.0717, 0.5318, 0.3260

Trichromacy



Original Color

22.7275, 0.3810, 0.1873



Protanomaly

16.2964, 0.2172, 0.1351



Deuteranomaly

17.6300, 0.2921, 0.1905



Tritanomaly

21.4100, 0.4850, 0.2653

Monochromacy



Original Color

22.7275, 0.3810, 0.1873



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

11.2721, 0.3461, 0.2170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7275, 0.3810, 0.1873 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, 0, 193)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 193)  
}
```

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, 0, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 193) }
```

Border

The CSS property to change the border of an element to Yxy 22.7275, 0.3810, 0.1873 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, 0, 193) }
```

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

```
.border{ border-color:rgb(242, 0, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 0, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 193);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7275, 0.3810, 0.1873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 193) }
```

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

```
.background{ background-color: rgb(242, 0,  
193) }
```

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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