

Converting Colors

$Y_{xy}(22.5264, 0.3799, 0.1879)$

Have a look what the booklet for
Yxy(22.5264, 0.3799, 0.1879)
contains.

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Color

Yxy(22.5264, 0.3799, 0.1879)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F009C0 |
| RGB | 240, 9, 192 |
| RGB Percent | 94%, 4%, 75% |
| CMY | 0.0589, 0.9642, 0.2471 |
| CMYK | 0.00, 0.96, 0.20, 0.06 |
| HSL | 312°, 93%, 49% |
| HSV | 312°, 96%, 94% |
| XYZ | 45.5443, 22.5264, 51.8143 |
| YIQ | 98.9310, 78.9330, 105.8850 |

Conversions

Conversions Part 2

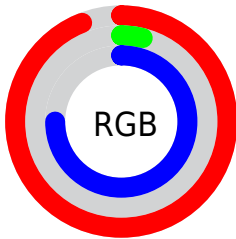
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 240, 9, 192 |
| Decimal | 15731136 |
| CIE _{Lab} | 54.58, 87.03, -34.45 |
| CIE _{LCh} | 55, 93.605, 338.404 |
| Yxy | 22.5264, 0.3799, 0.1879 |
| Android (android.graphics.Color) | 4293921216 (0xFFFF009C0) |
| YUV | 98.9310, 45.8830, 123.7175 |
| Hunter-Lab | 47.4620, 88.2294, -31.5036 |

Details

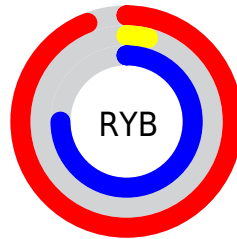
The Yxy color **22.5264, 0.3799, 0.1879** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light saturated magenta. A complement of this color would be **62.6702, 0.2938, 0.5751**, and the grayscale version is **12.3475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4069, 0.3248, 0.1929**, and **11.4187, 0.3887, 0.1915** is the 20% darker color. If you saturate the color by 10%, you get **22.2455, 0.3828, 0.1883**, and if you desaturate by 10%, it is **23.6496, 0.3721, 0.1890**.

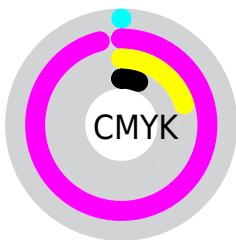
Distribution



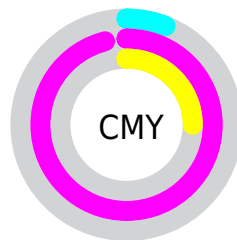
- Red (94%)
- Green (4%)
- Blue (75%)



- Red (94%)
- Yellow (4%)
- Blue (75%)



- Cyan (0%)
- Magenta (96%)
- Yellow (20%)
- Black (6%)




- Cyan (6%)
- Magenta (96%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.5264, 0.3799, 0.1879 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 22.5264, 0.3799, 0.1879 by changing the saturation by 10% instead.


 22.5264, 0.3799,
0.1879


 22.5264, 0.3799,
0.1879


265.2831, 0.3473,
0.2561


 14.2442, 0.3875,
0.1720


 47.6145, 0.3684,
0.2119


 8.2907, 0.3969,
0.1524


 65.1892, 0.3640,
0.2212

 4.2815, 0.4087,
0.1280


 86.6301, 0.3602,
0.2291

 1.8323, 0.4235,
0.0974

 112.3218, 0.3569,
0.2360

 0.5072, 0.4443,
0.0546

 142.6485, 0.3541,
0.2420

 0.0000, 0.4712,
0.0000

177.9947, 0.3516,

 0.0000, 0.4772,

0.2473

0.0000

218.7448, 0.3493,
0.2520

■ 0.0000, 0.0000,
0.0000

■ 22.5264, 0.3799,
0.1879

■ 22.5264, 0.3799,
0.1879

■ 22.2455, 0.3828,
0.1883

■ 23.6496, 0.3721,
0.1890

■ 25.7266, 0.3639,
0.1948

■ 28.9320, 0.3556,
0.2052

■ 33.4056, 0.3474,
0.2195

■ 39.2665, 0.3397,
0.2368

■ 46.6202, 0.3325,
0.2561

■ 55.5622, 0.3261,
0.2765

■ 66.1796, 0.3204,
0.2969

■ 78.5535, 0.3154,
0.3170

Harmonies

Analogous

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



22.5264, 0.2266, 0.1411



22.5264, 0.3799, 0.1879



22.5264, 0.5450, 0.2584

Triad

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



22.5264, 0.3799, 0.1879



22.5264, 0.4518, 0.5457



22.5264, 0.0843, 0.2029

Complementary

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



22.5264, 0.3799, 0.1879



62.6702, 0.2938, 0.5751

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.



22.5264, 0.1135, 0.3548



22.5264, 0.3799, 0.1879



22.5264, 0.3201, 0.6364

Square

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



22.5264, 0.3799, 0.1879



22.5264, 0.5620, 0.4286



22.5264, 0.1980, 0.5724



22.5264, 0.0926, 0.1397

Rectangle

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



22.5264, 0.3799, 0.1879



22.5264, 0.6041, 0.3098



22.5264, 0.1980, 0.5724



22.5264, 0.0890, 0.2413

Sweetspot

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



22.5276, 0.3799, 0.1879



60.5971, 0.3279, 0.2705



7.3101, 0.1618, 0.0679



12.0312, 0.3306, 0.2618



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.



22.5276, 0.3799, 0.1879



25.5236, 0.3831, 0.1884



19.2777, 0.5693, 0.2933



15.9718, 0.3170, 0.3105



12.1986, 0.3816, 0.1876



1.0288, 0.3721, 0.1823

Inverse Universe

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



22.5276, 0.3799, 0.1879



25.5236, 0.3831, 0.1884



65.3036, 0.2525, 0.4272



15.9718, 0.3170, 0.3105



12.1986, 0.3816, 0.1876



1.0288, 0.3721, 0.1823

Previews

White Background



This preview shows how the Yxy color 22.5264, 0.3799, 0.1879 looks on a white background.

Color Contrast Check

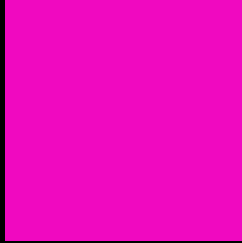
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5264, 0.3799, 0.1879 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 22.5264, 0.3799, 0.1879

Background



This preview shows how black text looks on a background with the Yxy color 22.5264, 0.3799, 0.1879.



This preview shows how white text looks on a background with the Yxy color 22.5264, 0.3799, 0.1879.

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

22.5264, 0.3799, 0.1879

Protanopia

23.4706, 0.1841, 0.1580

Deuteranopia

23.0425, 0.2533, 0.2478



Tritanopia

22.7370, 0.5303, 0.3260

Trichromacy



Original Color

22.5264, 0.3799, 0.1879



Protanomaly

16.4608, 0.2145, 0.1366



Deuteranomaly

17.7977, 0.2920, 0.1934



Tritanomaly

21.3289, 0.4820, 0.2662

Monochromacy



Original Color

22.5264, 0.3799, 0.1879



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

12.0739, 0.3451, 0.2221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5264, 0.3799, 0.1879 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(240, 9, 192)` looks like.

```
.text, #text, p{  
    color:rgb(240, 9, 192)  
}
```

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(240, 9, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 9, 192) }
```

Border

The CSS property to change the border of an element to Yxy 22.5264, 0.3799, 0.1879 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(240, 9, 192) }
```

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

```
.border{ border-color:rgb(240, 9, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 9, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 9, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 9, 192);  
box-shadow:4px 4px 4px 4px rgb(240, 9,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5264, 0.3799, 0.1879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 9, 192) }
```

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

```
.background{ background-color: rgb(240, 9,  
192) }
```

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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