

Converting Colors

$Y_{xy}(23.9739, 0.4475, 0.2255)$

Have a look what the booklet for
Yxy(23.9739, 0.4475, 0.2255)
contains.

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Color

Yxy(23.9803, 0.4470, 0.2252)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF0A9F |
| RGB | 255, 10, 159 |
| RGB Percent | 100%, 4%, 62% |
| CMY | 0.0001, 0.9596, 0.3766 |
| CMYK | 0.00, 0.96, 0.38, 0.00 |
| HSL | 324°, 100%, 52% |
| HSV | 324°, 96%, 100% |
| XYZ | 47.5986, 23.9803, 34.9056 |
| YIQ | 100.2410, 98.1910, 98.2790 |

Conversions

Conversions Part 2

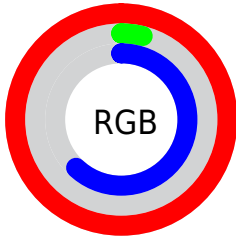
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 255, 10, 159 |
| Decimal | 16714399 |
| CIE _{Lab} | 56.07, 86.42, -12.63 |
| CIE _{LCh} | 56, 87.338, 351.688 |
| Yxy | 23.9803, 0.4470, 0.2252 |
| Android (android.graphics.Color) | 4294904479 (0xFFFF0A9F) |
| YUV | 100.2410, 28.9682, 135.7236 |
| Hunter-Lab | 48.9697, 87.8051, -7.9832 |

Details

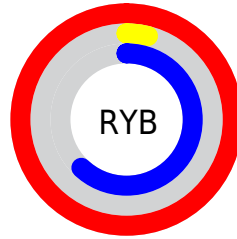
The Yxy color **23.9803, 0.4470, 0.2252** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **72.6203, 0.2814, 0.5307**, and the grayscale version is **12.7589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8155, 0.3605, 0.2218**, and **12.2892, 0.4700, 0.2363** is the 20% darker color. If you saturate the color by 10%, you get **23.6201, 0.4541, 0.2275**, and if you desaturate by 10%, it is **25.3691, 0.4291, 0.2221**.

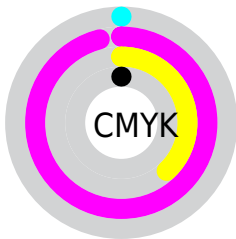
Distribution



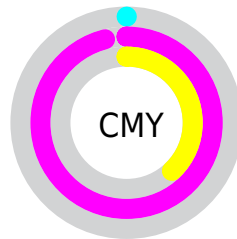
- Red (100%)
- Green (4%)
- Blue (62%)



- Red (100%)
- Yellow (4%)
- Blue (62%)



- Cyan (0%)
- Magenta (96%)
- Yellow (38%)
- Black (0%)





- Cyan (0%)
- Magenta (96%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9803, 0.4470, 0.2252 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 23.9803, 0.4470, 0.2252 by changing the saturation by 10% instead.


 23.9803, 0.4470,
0.2252


 23.9803, 0.4470,
0.2252


272.7209, 0.3755,
0.2784


 15.3190, 0.4661,
0.2117


 49.9981, 0.4201,
0.2447

 9.0436, 0.4912,
0.1945


 68.1233, 0.4102,
0.2520

 4.7696, 0.5256,
0.1718


 90.1720, 0.4020,
0.2581

 2.1127, 0.5748,
0.1409

 116.5285, 0.3951,
0.2634

 0.6718, 0.6506,
0.0961

 147.5773, 0.3891,
0.2679

 0.0000, 0.8315,
0.0000

183.7027, 0.3840,

 0.0000, 1.0000,

0.2719

0.0000

225.2891, 0.3795,
0.2753

■ 0.0000, 0.0000,
0.0000

■ 23.9803, 0.4470,
0.2252

■ 23.9803, 0.4470,
0.2252

■ 23.6201, 0.4541,
0.2275

■ 25.3691, 0.4291,
0.2221

■ 27.8788, 0.4109,
0.2244

■ 31.7123, 0.3929,
0.2316

■ 37.0315, 0.3761,
0.2428

■ 43.9754, 0.3607,
0.2567

■ 52.6666, 0.3472,
0.2722

■ 63.2158, 0.3354,
0.2884

■ 75.7246, 0.3255,
0.3045

■ 90.2872, 0.3171,
0.3201

Harmonies

Analogous

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



23.9803, 0.2905, 0.1680



23.9803, 0.4470, 0.2252



23.9803, 0.5695, 0.2986

Triad

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



23.9803, 0.4470, 0.2252



23.9803, 0.3955, 0.5783



23.9803, 0.0955, 0.1785

Complementary

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



23.9803, 0.4470, 0.2252



72.6203, 0.2814, 0.5307

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.



23.9803, 0.1076, 0.2809



23.9803, 0.4470, 0.2252



23.9803, 0.2735, 0.6077

Square

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



23.9803, 0.4470, 0.2252



23.9803, 0.5098, 0.4760



23.9803, 0.1665, 0.4658



23.9803, 0.1174, 0.1399

Rectangle

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



23.9803, 0.4470, 0.2252



23.9803, 0.5912, 0.3511



23.9803, 0.1665, 0.4658



23.9803, 0.0955, 0.2037

Sweetspot

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



23.9817, 0.4470, 0.2252



59.8181, 0.3388, 0.2835



10.3908, 0.1842, 0.0802



11.8435, 0.3438, 0.2765



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.



23.9817, 0.4470, 0.2252



23.6245, 0.4541, 0.2275



21.6251, 0.6205, 0.3217



18.1725, 0.3199, 0.3147



12.3745, 0.4513, 0.2260



1.2264, 0.4323, 0.2155

Inverse Universe

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



23.9817, 0.4470, 0.2252



23.6245, 0.4541, 0.2275



77.0880, 0.2351, 0.3649



18.1725, 0.3199, 0.3147



12.3745, 0.4513, 0.2260



1.2264, 0.4323, 0.2155

Previews

White Background



This preview shows how the Yxy color 23.9803, 0.4470, 0.2252 looks on a white background.

Color Contrast Check

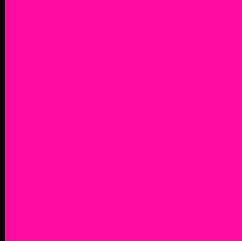
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9803, 0.4470, 0.2252 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 23.9803, 0.4470, 0.2252

Background



This preview shows how black text looks on a background with the Yxy color 23.9803, 0.4470, 0.2252.



This preview shows how white text looks on a background with the Yxy color 23.9803, 0.4470, 0.2252.

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

23.9803, 0.4470, 0.2252

Protanopia

24.5354, 0.2114, 0.1925

Deuteranopia

24.2104, 0.3084, 0.3012



Tritanopia

24.0764, 0.5701, 0.3284

Trichromacy



Original Color

23.9803, 0.4470, 0.2252



Protanomaly

18.1137, 0.2654, 0.1750



Deuteranomaly

19.2737, 0.3604, 0.2409



Tritanomaly

23.2114, 0.5356, 0.2895

Monochromacy



Original Color

23.9803, 0.4470, 0.2252



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.4627, 0.3750, 0.2438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9803, 0.4470, 0.2252 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, 10, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 10, 159)  
}
```

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, 10, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 159) }
```

Border

The CSS property to change the border of an element to Yxy 23.9803, 0.4470, 0.2252 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, 10, 159) }
```

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

```
.border{ border-color:rgb(255, 10, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 10, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9803, 0.4470, 0.2252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 159) }
```

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

```
.background{ background-color: rgb(255, 10,  
159) }
```

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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