

Converting Colors

$Y_{xy}(22.6502, 0.4498, 0.2251)$

Have a look what the booklet for
Yxy(22.6502, 0.4498, 0.2251)
contains.

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Color

Yxy(22.6571, 0.4504, 0.2255)

Conversions

Conversions Part 1

Format	Color
Hex	FA009A
RGB	250, 0, 154
RGB Percent	98%, 0%, 60%
CMY	0.0197, 0.9993, 0.3960
CMYK	0.00, 1.00, 0.38, 0.02
HSL	323°, 100%, 49%
HSV	323°, 100%, 98%
XYZ	45.2539, 22.6571, 32.5639
YIQ	92.3060, 99.5660, 100.8940

Conversions

Conversions Part 2

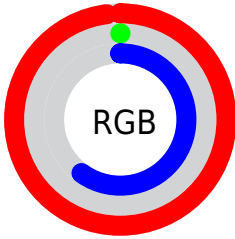
Format	Color
RYB	250, 0, 154
Decimal	16384154
CIELab	54.72, 85.61, -11.82
CIElCh	55, 86.426, 352.138
Yxy	22.6571, 0.4504, 0.2255
Android (android.graphics.Color)	4294574234 (0xFFFA009A)
YUV	92.3060, 30.4151, 138.2976
Hunter-Lab	47.5995, 86.4050, -7.2421

Details

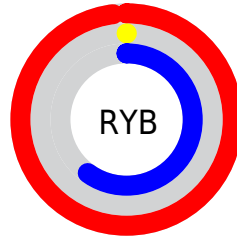
The Yxy color **22.6571, 0.4504, 0.2255** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **69.2106, 0.2835, 0.5405**, and the grayscale version is **10.7109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9284, 0.3677, 0.2246**, and **11.5441, 0.4746, 0.2388** is the 20% darker color. If you saturate the color by 10%, you get **22.6526, 0.4505, 0.2255**, and if you desaturate by 10%, it is **23.6901, 0.4332, 0.2210**.

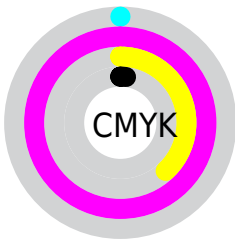
Distribution



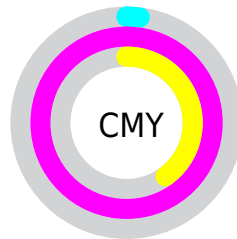
- Red (98%)
- Green (0%)
- Blue (60%)



- Red (98%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (38%)
- Black (2%)




- Cyan (2%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6571, 0.4504, 0.2255 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 22.6571, 0.4504, 0.2255 by changing the saturation by 10% instead.


 22.6571, 0.4504,
0.2255

 22.6571, 0.4504,
0.2255


265.9589, 0.3763,
0.2791


 14.3405, 0.4704,
0.2117


 47.8297, 0.4223,
0.2453


 8.3579, 0.4970,
0.1940


 65.4544, 0.4121,
0.2527


 4.3248, 0.5335,
0.1704


 86.9507, 0.4036,
0.2589

 1.8569, 0.5864,
0.1382

 112.7030, 0.3965,
0.2641

 0.5222, 0.6721,
0.0863

 143.0955, 0.3903,
0.2687

 0.0000, 0.9017,
0.0000

178.5127, 0.3850,

 0.0000, 1.0000,

0.2726

0.0000

219.3390, 0.3804,
0.2761

■ 0.0000, 0.0000,
0.0000

■ 22.6571, 0.4504,
0.2255

■ 22.6571, 0.4504,
0.2255

■ 22.6526, 0.4505,
0.2255

■ 23.6901, 0.4332,
0.2210

■ 25.6422, 0.4155,
0.2214

■ 28.7871, 0.3979,
0.2269

■ 33.2914, 0.3810,
0.2368

■ 39.2948, 0.3654,
0.2500

■ 46.9197, 0.3515,
0.2652

■ 56.2757, 0.3393,
0.2814

■ 67.4627, 0.3289,
0.2978

■ 80.5731, 0.3201,
0.3138

Harmonies

Analogous

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



22.6571, 0.2923, 0.1678



22.6571, 0.4504, 0.2255



22.6571, 0.5725, 0.2992

Triad

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



22.6571, 0.4504, 0.2255



22.6571, 0.3934, 0.5810



22.6571, 0.0945, 0.1765

Complementary

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



22.6571, 0.4504, 0.2255



69.2106, 0.2835, 0.5405

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.



22.6571, 0.1060, 0.2781



22.6571, 0.4504, 0.2255



22.6571, 0.2709, 0.6095

Square

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



22.6571, 0.4504, 0.2255



22.6571, 0.5092, 0.4779



22.6571, 0.1640, 0.4640



22.6571, 0.1170, 0.1386

Rectangle

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



22.6571, 0.4504, 0.2255



22.6571, 0.5929, 0.3519



22.6571, 0.1640, 0.4640



22.6571, 0.0943, 0.2014

Sweetspot

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



22.6584, 0.4504, 0.2255



58.7697, 0.3394, 0.2812



9.3879, 0.1801, 0.0766



11.6478, 0.3444, 0.2743



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.



22.6584, 0.4504, 0.2255



23.6955, 0.4507, 0.2256



20.4153, 0.6284, 0.3236



17.4049, 0.3197, 0.3145



12.0462, 0.4478, 0.2241



1.1364, 0.4285, 0.2134

Inverse Universe

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



22.6584, 0.4504, 0.2255



23.6955, 0.4507, 0.2256



73.5754, 0.2351, 0.3664



17.4049, 0.3197, 0.3145



12.0462, 0.4478, 0.2241



1.1364, 0.4285, 0.2134

Previews

White Background



This preview shows how the Yxy color 22.6571, 0.4504, 0.2255 looks on a white background.

Color Contrast Check

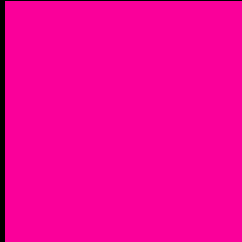
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6571, 0.4504, 0.2255 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 22.6571, 0.4504, 0.2255

Background



This preview shows how black text looks on a background with the Yxy color 22.6571, 0.4504, 0.2255.



This preview shows how white text looks on a background with the Yxy color 22.6571, 0.4504, 0.2255.

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

22.6571, 0.4504, 0.2255

Protanopia

23.3539, 0.2126, 0.1937

Deuteranopia

23.2591, 0.3104, 0.3056



Tritanopia

23.1088, 0.5715, 0.3284

Trichromacy



Original Color

22.6571, 0.4504, 0.2255



Protanomaly

16.6451, 0.2661, 0.1713



Deuteranomaly

17.8445, 0.3635, 0.2393



Tritanomaly

22.0697, 0.5391, 0.2888

Monochromacy



Original Color

22.6571, 0.4504, 0.2255



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.7553, 0.3772, 0.2379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6571, 0.4504, 0.2255 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, 154)` looks like.

```
.text, #text, p{  
  color:rgb(250, 0, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 154) }
```

Border

The CSS property to change the border of an element to Yxy 22.6571, 0.4504, 0.2255 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, 154) }
```

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

```
.border{ border-color:rgb(250, 0, 154) }
```

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, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 154);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6571, 0.4504, 0.2255 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, 154) }
```

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

```
.background{ background-color: rgb(250, 0,  
154) }
```

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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