

Converting Colors

$Y_{xy}(22.9521, 0.4355, 0.2173)$

Have a look what the booklet for
Yxy(22.9521, 0.4355, 0.2173)
contains.

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Color

Yxy(22.9683, 0.4357, 0.2174)

Conversions

Conversions Part 1

Format	Color
Hex	FA00A3
RGB	250, 0, 163
RGB Percent	98%, 0%, 64%
CMY	0.0196, 0.9994, 0.3608
CMYK	0.00, 1.00, 0.35, 0.02
HSL	321°, 100%, 49%
HSV	321°, 100%, 98%
XYZ	46.0317, 22.9683, 36.6500
YIQ	93.3320, 96.6770, 103.6930

Conversions

Conversions Part 2

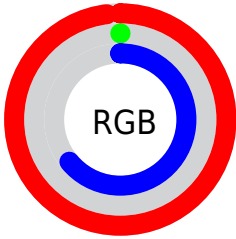
Format	Color
R_{YB}	250, 0, 163
Decimal	16384163
CIE _{Lab}	55.04, 86.45, -16.64
CIE _{LCh}	55, 88.035, 349.104
Yxy	22.9683, 0.4357, 0.2174
Android (android.graphics.Color)	4294574243 (0xFFFA00A3)
YUV	93.3320, 34.3463, 137.3978
Hunter-Lab	47.9253, 87.5781, -11.7933

Details

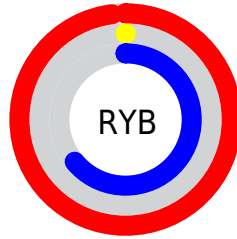
The Yxy color **22.9683, 0.4357, 0.2174** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **69.0576, 0.2862, 0.5504**, and the grayscale version is **10.9509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4363, 0.3565, 0.2161**, and **11.8391, 0.4582, 0.2298** is the 20% darker color. If you saturate the color by 10%, you get **22.9642, 0.4358, 0.2174**, and if you desaturate by 10%, it is **23.9911, 0.4206, 0.2138**.

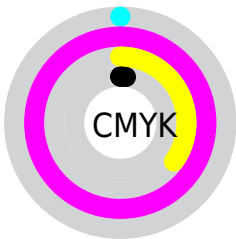
Distribution



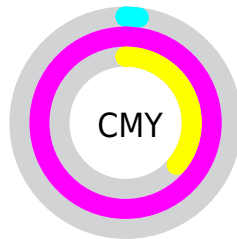
- Red (98%)
- Green (0%)
- Blue (64%)



- Red (98%)
- Yellow (0%)
- Blue (64%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9683, 0.4357, 0.2174 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 22.9683, 0.4357, 0.2174 by changing the saturation by 10% instead.


 22.9683, 0.4357,
0.2174


 22.9683, 0.4357,
0.2174


267.5621, 0.3705,
0.2741


 14.5701, 0.4530,
0.2032


 48.3413, 0.4112,
0.2381


 8.5182, 0.4758,
0.1852


 66.0848, 0.4022,
0.2458


 4.4283, 0.5068,
0.1616


 87.7123, 0.3948,
0.2524

 1.9159, 0.5511,
0.1300

 113.6081, 0.3884,
0.2580

 0.5579, 0.6214,
0.0820

 144.1566, 0.3830,
0.2628

 0.0000, 0.7640,
0.0000

179.7421, 0.3783,

 0.0000, 1.0000,

0.2671

0.0000

220.7492, 0.3741,
0.2708

■ 0.0000, 0.0000,
0.0000

■ 22.9683, 0.4357,
0.2174

■ 22.9683, 0.4357,
0.2174

■ 22.9642, 0.4358,
0.2174

■ 23.9911, 0.4206,
0.2138

■ 25.9285, 0.4050,
0.2150

■ 29.0543, 0.3895,
0.2213

■ 33.5349, 0.3745,
0.2319

■ 39.5100, 0.3606,
0.2457

■ 47.1017, 0.3481,
0.2617

■ 56.4196, 0.3371,
0.2787

■ 67.5634, 0.3276,
0.2960

■ 80.6255, 0.3195,
0.3129

Harmonies

Analogous

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



22.9683, 0.2776, 0.1619



22.9683, 0.4357, 0.2174



22.9683, 0.5679, 0.2906

Triad

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



22.9683, 0.4357, 0.2174



22.9683, 0.4056, 0.5740



22.9683, 0.0923, 0.1815

Complementary

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



22.9683, 0.4357, 0.2174



69.0576, 0.2862, 0.5504

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.



22.9683, 0.1074, 0.2925



22.9683, 0.4357, 0.2174



22.9683, 0.2818, 0.6183

Square

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



22.9683, 0.4357, 0.2174



22.9683, 0.5206, 0.4673



22.9683, 0.1711, 0.4869



22.9683, 0.1115, 0.1387

Rectangle

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



22.9683, 0.4357, 0.2174



22.9683, 0.5962, 0.3428



22.9683, 0.1711, 0.4869



22.9683, 0.0931, 0.2089

Sweetspot

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



22.9696, 0.4357, 0.2174



58.9215, 0.3372, 0.2786



8.7639, 0.1729, 0.0726



11.6840, 0.3416, 0.2713



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.



22.9696, 0.4357, 0.2174



24.0203, 0.4359, 0.2175



20.4915, 0.6190, 0.3184



17.4159, 0.3192, 0.3137



12.2101, 0.4334, 0.2161



1.1509, 0.4164, 0.2068

Inverse Universe

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



22.9696, 0.4357, 0.2174



24.0203, 0.4359, 0.2175



72.9382, 0.2399, 0.3836



17.4159, 0.3192, 0.3137



12.2101, 0.4334, 0.2161



1.1509, 0.4164, 0.2068

Previews

White Background



This preview shows how the Yxy color 22.9683, 0.4357, 0.2174 looks on a white background.

Color Contrast Check

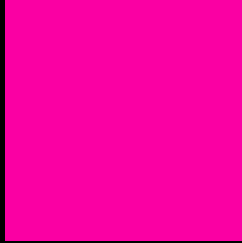
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9683, 0.4357, 0.2174 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 22.9683, 0.4357, 0.2174

Background



This preview shows how black text looks on a background with the Yxy color 22.9683, 0.4357, 0.2174.



This preview shows how white text looks on a background with the Yxy color 22.9683, 0.4357, 0.2174.

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

22.9683, 0.4357, 0.2174

Protanopia

23.8269, 0.2031, 0.1824

Deuteranopia

23.5506, 0.2977, 0.2925



Tritanopia

23.3051, 0.5644, 0.3275

Trichromacy



Original Color

22.9683, 0.4357, 0.2174



Protanomaly

16.8516, 0.2514, 0.1609



Deuteranomaly

18.0518, 0.3475, 0.2285



Tritanomaly

22.1380, 0.5281, 0.2838

Monochromacy



Original Color

22.9683, 0.4357, 0.2174



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.9200, 0.3732, 0.2340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9683, 0.4357, 0.2174 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 163)  
}
```

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, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 163) }
```

Border

The CSS property to change the border of an element to Yxy 22.9683, 0.4357, 0.2174 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, 163) }
```

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

```
.border{ border-color:rgb(250, 0, 163) }
```

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, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9683, 0.4357, 0.2174 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, 163) }
```

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

```
.background{ background-color: rgb(250, 0,  
163) }
```

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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