

Converting Colors

$Y_{xy}(22.6572, 0.4774, 0.2404)$

Have a look what the booklet for
Yxy(22.6572, 0.4774, 0.2404)
contains.

Yxy(22.5595, 0.4777, 0.2405)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.5595, 0.4777, 0.2405)

Conversions

Conversions Part 1

Format	Color
Hex	FC008B
RGB	252, 0, 139
RGB Percent	99%, 0%, 55%
CMY	0.0117, 1.0000, 0.4547
CMYK	0.00, 1.00, 0.45, 0.01
HSL	327°, 100%, 49%
HSV	327°, 100%, 99%
XYZ	44.8095, 22.5595, 26.4335
YIQ	91.1940, 105.5730, 96.6530

Conversions

Conversions Part 2

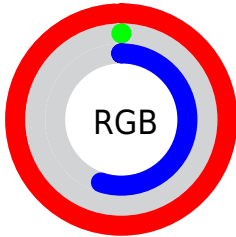
Format	Color
R_YB	252, 0, 139
Decimal	16515211
CIE _{Lab}	54.62, 84.77, -3.01
CIE _{LCh}	55, 84.823, 357.963
Yxy	22.5595, 0.4777, 0.2405
Android (android.graphics.Color)	4294705291 (0xFFFC008B)
YUV	91.1940, 23.5684, 141.0269
Hunter-Lab	47.4968, 85.2809, 0.2510

Details

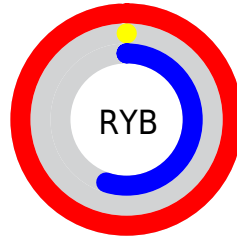
The Yxy color **22.5595, 0.4777, 0.2405** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **70.8172, 0.2781, 0.5211**, and the grayscale version is **10.4369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9895, 0.3869, 0.2381**, and **11.5401, 0.5086, 0.2576** is the 20% darker color. If you saturate the color by 10%, you get **22.5621, 0.4777, 0.2405**, and if you desaturate by 10%, it is **23.6136, 0.4568, 0.2343**.

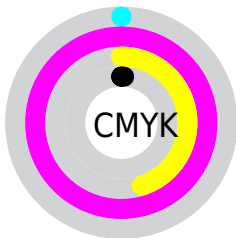
Distribution



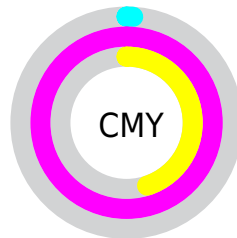
- Red (99%)
- Green (0%)
- Blue (55%)



- Red (99%)
- Yellow (0%)
- Blue (55%)



- Cyan (0%)
- Magenta (100%)
- Yellow (45%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5595, 0.4777, 0.2405 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 22.5595, 0.4777, 0.2405 by changing the saturation by 10% instead.


 22.5595, 0.4777,
0.2405


 22.5595, 0.4777,
0.2405


265.4544, 0.3875,
0.2883


 14.2686, 0.5026,
0.2276


 47.6690, 0.4431,
0.2586

 8.3077, 0.5357,
0.2105


 65.2564, 0.4307,
0.2652


 4.2925, 0.5816,
0.1872


 86.7114, 0.4204,
0.2707

 1.8385, 0.6481,
0.1539

 112.4184, 0.4117,
0.2753

 0.5110, 0.7569,
0.0972

 142.7618, 0.4043,
0.2793

 0.0000, 1.0000,
0.0000

178.1260, 0.3979,

 0.0000, 0.0000,

0.2827

0.0000

218.8954, 0.3924,
0.2857

■ 22.5595, 0.4777,
0.2405

■ 22.5595, 0.4777,
0.2405

■ 22.5621, 0.4777,
0.2405

■ 23.6136, 0.4568,
0.2343

■ 25.6082, 0.4351,
0.2331

■ 28.8255, 0.4136,
0.2373

■ 33.4362, 0.3931,
0.2459

■ 39.5834, 0.3743,
0.2576

■ 47.3922, 0.3578,
0.2714

■ 56.9749, 0.3435,
0.2860

■ 68.4336, 0.3314,
0.3008

■ 81.8631, 0.3212,
0.3153

Harmonies

Analogous

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



22.5595, 0.3211, 0.1788



22.5595, 0.4777, 0.2405



22.5595, 0.5799, 0.3153

Triad

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



22.5595, 0.4777, 0.2405



22.5595, 0.3703, 0.5930



22.5595, 0.0985, 0.1675

Complementary

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



22.5595, 0.4777, 0.2405



70.8172, 0.2781, 0.5211

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.



22.5595, 0.1031, 0.2532



22.5595, 0.4777, 0.2405



22.5595, 0.2496, 0.5895

Square

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



22.5595, 0.4777, 0.2405



22.5595, 0.4875, 0.4980



22.5595, 0.1508, 0.4225



22.5595, 0.1275, 0.1382

Rectangle

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



22.5595, 0.4777, 0.2405



22.5595, 0.5859, 0.3690



22.5595, 0.1508, 0.4225



22.5595, 0.0962, 0.1881

Sweetspot

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



22.5621, 0.4777, 0.2405



58.5050, 0.3435, 0.2860



10.2929, 0.1882, 0.0810



11.5849, 0.3493, 0.2797



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.



22.5621, 0.4777, 0.2405



23.1739, 0.4778, 0.2406



20.7367, 0.6349, 0.3271



17.3855, 0.3207, 0.3160



11.7822, 0.4744, 0.2387



1.1126, 0.4509, 0.2258

Inverse Universe

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



22.5621, 0.4777, 0.2405



23.1739, 0.4778, 0.2406



75.6358, 0.2305, 0.3498



17.3855, 0.3207, 0.3160



11.7822, 0.4744, 0.2387



1.1126, 0.4509, 0.2258

Previews

White Background



This preview shows how the Yxy color 22.5595, 0.4777, 0.2405 looks on a white background.

Color Contrast Check

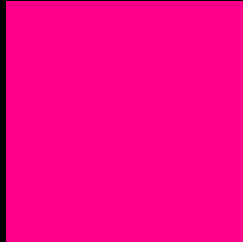
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5595, 0.4777, 0.2405 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 22.5595, 0.4777, 0.2405

Background



This preview shows how black text looks on a background with the Yxy color 22.5595, 0.4777, 0.2405.



This preview shows how white text looks on a background with the Yxy color 22.5595, 0.4777, 0.2405.

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

22.5595, 0.4777, 0.2405

Protanopia

23.3235, 0.2325, 0.2205

Deuteranopia

23.1078, 0.3342, 0.3291



Tritanopia

22.9744, 0.5845, 0.3292

Trichromacy



Original Color

22.5595, 0.4777, 0.2405



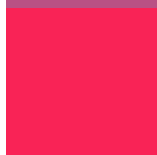
Protanomaly

16.8744, 0.2962, 0.1950



Deuteranomaly

17.8651, 0.3939, 0.2596



Tritanomaly

22.0137, 0.5570, 0.2965

Monochromacy



Original Color

22.5595, 0.4777, 0.2405



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.5929, 0.3930, 0.2479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5595, 0.4777, 0.2405 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(252, 0, 139)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 139)  
}
```

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(252, 0, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 139) }
```

Border

The CSS property to change the border of an element to Yxy 22.5595, 0.4777, 0.2405 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(252, 0, 139) }
```

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

```
.border{ border-color:rgb(252, 0, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 0, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 139);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5595, 0.4777, 0.2405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 139) }
```

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

```
.background{ background-color: rgb(252, 0,  
139) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor