

Converting Colors

$Y_{xy}(22.3422, 0.4864, 0.2453)$

Have a look what the booklet for
Yxy(22.3422, 0.4864, 0.2453)
contains.

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Color

Yxy(22.4167, 0.4863, 0.2453)

Conversions

Conversions Part 1

Format	Color
Hex	FC0086
RGB	252, 0, 134
RGB Percent	99%, 0%, 53%
CMY	0.0119, 0.9989, 0.4746
CMYK	0.00, 1.00, 0.47, 0.01
HSL	328°, 100%, 49%
HSV	328°, 100%, 99%
XYZ	44.4404, 22.4167, 24.5277
YIQ	90.6240, 107.1780, 95.0980

Conversions

Conversions Part 2

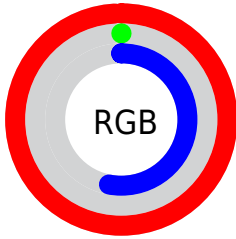
Format	Color
RYB	252, 0, 134
Decimal	16515206
CIELab	54.47, 84.34, -0.20
CIELCh	54, 84.342, 359.865
Yxy	22.4167, 0.4863, 0.2453
Android (android.graphics.Color)	4294705286 (0xFFFC0086)
YUV	90.6240, 21.3844, 141.5268
Hunter-Lab	47.3463, 84.6887, 2.4273

Details

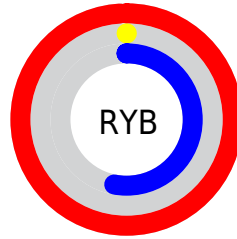
The Yxy color **22.4167, 0.4863, 0.2453** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **70.9240, 0.2762, 0.5142**, and the grayscale version is **10.3428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7715, 0.3931, 0.2428**, and **11.4747, 0.5176, 0.2625** is the 20% darker color. If you saturate the color by 10%, you get **22.4079, 0.4865, 0.2454**, and if you desaturate by 10%, it is **23.4763, 0.4642, 0.2386**.

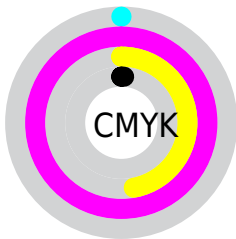
Distribution



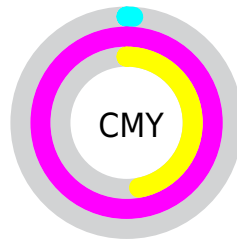
- Red (99%)
- Green (0%)
- Blue (53%)



- Red (99%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (47%)
- Black (1%)




- Cyan (1%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4167, 0.4863, 0.2453 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 22.4167, 0.4863, 0.2453 by changing the saturation by 10% instead.


 22.4167, 0.4863,
0.2453


 22.4167, 0.4863,
0.2453


264.7147, 0.3909,
0.2913


 14.1634, 0.5127,
0.2326


 47.4338, 0.4497,
0.2629

 8.2344, 0.5479,
0.2157


 64.9663, 0.4365,
0.2693

 4.2453, 0.5966,
0.1923

 86.3607, 0.4256,
0.2745

 1.8117, 0.6671,
0.1585

 112.0014, 0.4165,
0.2789

 0.4945, 0.7887,
0.0998

 142.2728, 0.4086,
0.2827

 0.0000, 1.0000,
0.0000

177.5592, 0.4019,

 0.0000, 0.0000,

0.2860

0.0000

218.2450, 0.3961,
0.2888

■ 22.4167, 0.4863,
0.2453

■ 22.4167, 0.4863,
0.2453

■ 22.4079, 0.4865,
0.2454

■ 23.4763, 0.4642,
0.2386

■ 25.4864, 0.4413,
0.2370

■ 28.7243, 0.4184,
0.2408

■ 33.3600, 0.3967,
0.2490

■ 39.5366, 0.3770,
0.2603

■ 47.3792, 0.3596,
0.2736

■ 56.9998, 0.3447,
0.2877

■ 68.5009, 0.3320,
0.3020

■ 81.9770, 0.3214,
0.3159

Harmonies

Analogous

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



22.4167, 0.3306, 0.1824



22.4167, 0.4863, 0.2453



22.4167, 0.5818, 0.3204

Triad

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



22.4167, 0.4863, 0.2453



22.4167, 0.3627, 0.5964



22.4167, 0.0998, 0.1648

Complementary

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



22.4167, 0.4863, 0.2453



70.9240, 0.2762, 0.5142

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.



22.4167, 0.1022, 0.2457



22.4167, 0.4863, 0.2453



22.4167, 0.2427, 0.5821

Square

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



22.4167, 0.4863, 0.2453



22.4167, 0.4805, 0.5045



22.4167, 0.1467, 0.4095



22.4167, 0.1310, 0.1381

Rectangle

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



22.4167, 0.4863, 0.2453



22.4167, 0.5834, 0.3745



22.4167, 0.1467, 0.4095



22.4167, 0.0968, 0.1841

Sweetspot

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



22.4180, 0.4863, 0.2453



58.4215, 0.3448, 0.2875



10.8669, 0.1943, 0.0844



11.5651, 0.3509, 0.2815



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.



22.4180, 0.4863, 0.2453



23.0217, 0.4867, 0.2455



20.7167, 0.6376, 0.3287



17.3793, 0.3210, 0.3165



11.7049, 0.4830, 0.2435



1.1055, 0.4583, 0.2298

Inverse Universe

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



22.4180, 0.4863, 0.2453



23.0217, 0.4867, 0.2455



76.1156, 0.2276, 0.3391



17.3793, 0.3210, 0.3165



11.7049, 0.4830, 0.2435



1.1055, 0.4583, 0.2298

Previews

White Background



This preview shows how the Yxy color 22.4167, 0.4863, 0.2453 looks on a white background.

Color Contrast Check

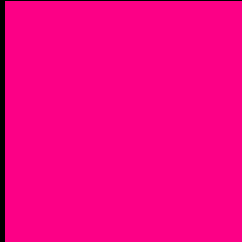
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4167, 0.4863, 0.2453 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 22.4167, 0.4863, 0.2453

Background



This preview shows how black text looks on a background with the Yxy color 22.4167, 0.4863, 0.2453.



This preview shows how white text looks on a background with the Yxy color 22.4167, 0.4863, 0.2453.

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

22.4167, 0.4863, 0.2453

Protanopia

23.1950, 0.2392, 0.2296

Deuteranopia

22.8118, 0.3415, 0.3358



Tritanopia

22.7690, 0.5878, 0.3292

Trichromacy



Original Color

22.4167, 0.4863, 0.2453



Protanomaly

16.8465, 0.3057, 0.2024



Deuteranomaly

17.7315, 0.4021, 0.2662



Tritanomaly

21.9083, 0.5617, 0.2987

Monochromacy



Original Color

22.4167, 0.4863, 0.2453



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.5717, 0.3951, 0.2494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4167, 0.4863, 0.2453 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, 134)` looks like.

```
.text, #text, p{  
  color:rgb(252, 0, 134)  
}
```

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, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 134) }
```

Border

The CSS property to change the border of an element to Yxy 22.4167, 0.4863, 0.2453 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, 134) }
```

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

```
.border{ border-color:rgb(252, 0, 134) }
```

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, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 134);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4167, 0.4863, 0.2453 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, 134) }
```

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

```
.background{ background-color: rgb(252, 0,  
134) }
```

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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