

Converting Colors

$Y_{xy}(22.3068, 0.4891, 0.2475)$

Have a look what the booklet for
Yxy(22.3068, 0.4891, 0.2475)
contains.

Yxy(22.2620, 0.4885, 0.2472)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.2620, 0.4885, 0.2472)

Conversions

Conversions Part 1

Format	Color
Hex	FB0484
RGB	251, 4, 132
RGB Percent	98%, 2%, 52%
CMY	0.0157, 0.9842, 0.4824
CMYK	0.00, 0.98, 0.47, 0.02
HSL	329°, 97%, 50%
HSV	329°, 98%, 98%
XYZ	43.9927, 22.2620, 23.8020
YIQ	92.4450, 106.1240, 92.1720

Conversions

Conversions Part 2

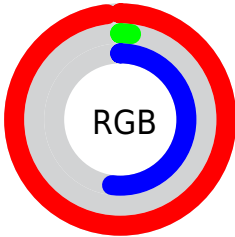
Format	Color
RYB	251, 4, 132
Decimal	16450692
CIELab	54.30, 83.73, 0.73
CIElCh	54, 83.737, 0.502
Yxy	22.2620, 0.4885, 0.2472
Android (android.graphics.Color)	4294640772 (0xFFFB0484)
YUV	92.4450, 19.5006, 139.0527
Hunter-Lab	47.1826, 83.8622, 3.1181

Details

The Yxy color **22.2620, 0.4885, 0.2472** 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 **70.4555, 0.2744, 0.5071**, and the grayscale version is **10.7504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8771, 0.3953, 0.2455**, and **11.3159, 0.5209, 0.2643** is the 20% darker color. If you saturate the color by 10%, you get **22.1231, 0.4921, 0.2485**, and if you desaturate by 10%, it is **23.4116, 0.4656, 0.2408**.

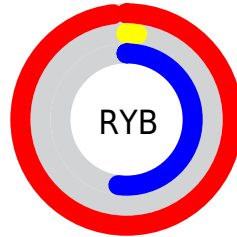
Distribution



Red (98%)

Green (2%)

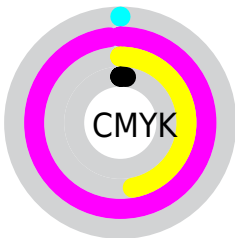
Blue (52%)



Red (98%)

Yellow (2%)

Blue (52%)

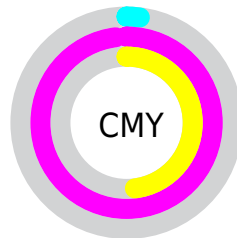


Cyan (0%)

Magenta (98%)

Yellow (47%)

Black (2%)



Cyan (2%)


Magenta (98%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2620, 0.4885, 0.2472 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 22.2620, 0.4885, 0.2472 by changing the saturation by 10% instead.


 22.2620, 0.4885,
0.2472


 22.2620, 0.4885,
0.2472


263.9115, 0.3917,
0.2924


 14.0495, 0.5153,
0.2346


 47.1786, 0.4513,
0.2646


 8.1551, 0.5512,
0.2177


 64.6516, 0.4379,
0.2709

 4.1944, 0.6009,
0.1942

 85.9802, 0.4268,
0.2760

 1.7829, 0.6727,
0.1602

 111.5488, 0.4176,
0.2804

 0.4765, 0.8018,
0.1000

 141.7419, 0.4097,
0.2841

 0.0000, 1.0000,
0.0000

176.9437, 0.4028,

 0.0000, 0.0000,

0.2872

0.0000

217.5388, 0.3969,
0.2900

■ 22.2620, 0.4885,
0.2472

■ 22.2620, 0.4885,
0.2472

■ 22.1231, 0.4921,
0.2485

■ 23.4116, 0.4656,
0.2408

■ 25.5766, 0.4418,
0.2397

■ 28.9877, 0.4182,
0.2439

■ 33.8088, 0.3960,
0.2524

■ 40.1783, 0.3760,
0.2638

■ 48.2182, 0.3584,
0.2769

■ 58.0380, 0.3434,
0.2908

■ 69.7379, 0.3307,
0.3047

■ 83.4105, 0.3202,
0.3182

Harmonies

Analogous

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



22.2620, 0.3338, 0.1840



22.2620, 0.4885, 0.2472



22.2620, 0.5815, 0.3224

Triad

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



22.2620, 0.4885, 0.2472



22.2620, 0.3603, 0.5966



22.2620, 0.1007, 0.1644

Complementary

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



22.2620, 0.4885, 0.2472



70.4555, 0.2744, 0.5071

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.



22.2620, 0.1025, 0.2437



22.2620, 0.4885, 0.2472



22.2620, 0.2408, 0.5783

Square

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



22.2620, 0.4885, 0.2472



22.2620, 0.4778, 0.5064



22.2620, 0.1459, 0.4050



22.2620, 0.1326, 0.1385

Rectangle

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



22.2620, 0.4885, 0.2472



22.2620, 0.5817, 0.3765



22.2620, 0.1459, 0.4050



22.2620, 0.0976, 0.1833

Sweetspot

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



22.2633, 0.4885, 0.2472



58.3691, 0.3457, 0.2885



10.9951, 0.1959, 0.0858



11.5527, 0.3519, 0.2826



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.



22.2633, 0.4885, 0.2472



22.9290, 0.4923, 0.2486



20.6250, 0.6357, 0.3286



17.3754, 0.3212, 0.3168



11.6578, 0.4886, 0.2465



1.1012, 0.4630, 0.2324

Inverse Universe

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



22.2633, 0.4885, 0.2472



22.9290, 0.4923, 0.2486



75.4815, 0.2276, 0.3390



17.3754, 0.3212, 0.3168



11.6578, 0.4886, 0.2465



1.1012, 0.4630, 0.2324

Previews

White Background



This preview shows how the Yxy color 22.2620, 0.4885, 0.2472 looks on a white background.

Color Contrast Check

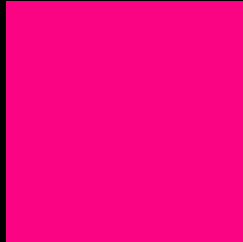
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2620, 0.4885, 0.2472 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 22.2620, 0.4885, 0.2472

Background



This preview shows how black text looks on a background with the Yxy color 22.2620, 0.4885, 0.2472.



This preview shows how white text looks on a background with the Yxy color 22.2620, 0.4885, 0.2472.

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

22.2620, 0.4885, 0.2472

Protanopia

22.7977, 0.2409, 0.2318

Deuteranopia

22.5052, 0.3441, 0.3375



Tritanopia

22.4872, 0.5890, 0.3292

Trichromacy



Original Color

22.2620, 0.4885, 0.2472



Protanomaly

16.8866, 0.3093, 0.2070



Deuteranomaly

17.8295, 0.4050, 0.2702



Tritanomaly

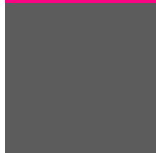
21.7677, 0.5622, 0.2997

Monochromacy



Original Color

22.2620, 0.4885, 0.2472



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.7773, 0.3943, 0.2522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2620, 0.4885, 0.2472 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(251, 4, 132)` looks like.

```
.text, #text, p{  
    color:rgb(251, 4, 132)  
}
```

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(251, 4, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 4, 132) }
```

Border

The CSS property to change the border of an element to Yxy 22.2620, 0.4885, 0.2472 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(251, 4, 132) }
```

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

```
.border{ border-color:rgb(251, 4, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 4, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 4, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 4, 132);  
box-shadow:4px 4px 4px 4px rgb(251, 4,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2620, 0.4885, 0.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 4, 132) }
```

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

```
.background{ background-color: rgb(251, 4,  
132) }
```

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