

Converting Colors

$Y_{xy}(22.2532, 0.5411, 0.2756)$

Have a look what the booklet for
Yxy(22.2532, 0.5411, 0.2756)
contains.

Yxy(22.2610, 0.5409, 0.2756)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.2610, 0.5409, 0.2756)

Conversions

Conversions Part 1

Format	Color
Hex	FF0167
RGB	255, 1, 103
RGB Percent	100%, 0%, 40%
CMY	0.0001, 0.9947, 0.5961
CMYK	0.00, 0.99, 0.60, 0.00
HSL	336°, 100%, 50%
HSV	336°, 99%, 100%
XYZ	43.6900, 22.2610, 14.8218
YIQ	88.5740, 118.6420, 85.5700

Conversions

Conversions Part 2

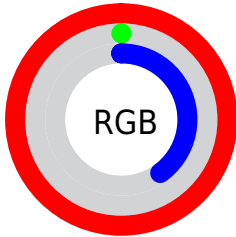
Format	Color
RYB	255, 1, 103
Decimal	16712039
CIELab	54.30, 82.85, 18.33
CIElCh	54, 84.853, 12.475
Yxy	22.2610, 0.5409, 0.2756
Android (android.graphics.Color)	4294902119 (0xFFFF0167)
YUV	88.5740, 7.1120, 145.9556
Hunter-Lab	47.1816, 82.7229, 14.4015

Details

The Yxy color **22.2610, 0.5409, 0.2756** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **73.8198, 0.2634, 0.4681**, and the grayscale version is **9.9008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5168, 0.4361, 0.2751**, and **11.2426, 0.5768, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **22.2169, 0.5423, 0.2761**, and if you desaturate by 10%, it is **23.3453, 0.5125, 0.2665**.

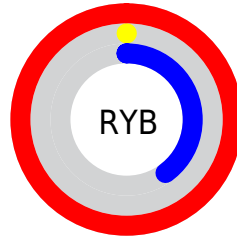
Distribution



Red (100%)

Green (0%)

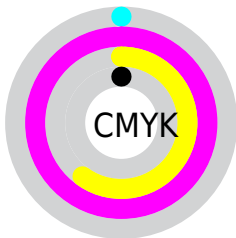
Blue (40%)



Red (100%)

Yellow (0%)

Blue (40%)

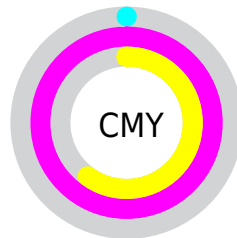


Cyan (0%)

Magenta (99%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (99%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2610, 0.5409, 0.2756 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 22.2610, 0.5409, 0.2756 by changing the saturation by 10% instead.


 22.2610, 0.5409,
0.2756


 22.2610, 0.5409,
0.2756


263.9063, 0.4144,
0.3104

 14.0488, 0.5754,
0.2640


 47.1770, 0.4924,
0.2904


 8.1546, 0.6206,
0.2473


 64.6496, 0.4749,
0.2953

 4.1940, 0.6810,
0.2224

 85.9778, 0.4604,
0.2992

 1.7827, 0.7687,
0.1853

 111.5459, 0.4483,
0.3023

 0.4764, 0.8875,
0.1125

 141.7385, 0.4379,
0.3049

 0.0000, 1.0000,
0.0000

176.9398, 0.4290,

 0.0000, 0.0000,

0.3071

0.0000

217.5342, 0.4212,
0.3089

■ 22.2610, 0.5409,
0.2756

■ 22.2610, 0.5409,
0.2756

■ 22.2169, 0.5423,
0.2761

■ 23.3453, 0.5125,
0.2665

■ 25.4495, 0.4817,
0.2623


■ 28.8447, 0.4506,
0.2634


■ 33.7061, 0.4212,
0.2687

■ 40.1814, 0.3947,
0.2771

 48.4000, 0.3718,
0.2872

 58.4779, 0.3524,
0.2981

 70.5212, 0.3363,
0.3090

 84.6279, 0.3231,
0.3195

Harmonies

Analogous

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



22.2610, 0.3973, 0.2055



22.2610, 0.5409, 0.2756



22.2610, 0.5901, 0.3535

Triad

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



22.2610, 0.5409, 0.2756



22.2610, 0.3109, 0.6135



22.2610, 0.1077, 0.1475

Complementary

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



22.2610, 0.5409, 0.2756



73.8198, 0.2634, 0.4681

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.



22.2610, 0.0959, 0.2019



22.2610, 0.5409, 0.2756



22.2610, 0.1960, 0.5237

Square

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



22.2610, 0.5409, 0.2756



22.2610, 0.4326, 0.5488



22.2610, 0.1205, 0.3305



22.2610, 0.1547, 0.1364

Rectangle

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



22.2610, 0.5409, 0.2756



22.2610, 0.5638, 0.4118



22.2610, 0.1205, 0.3305



22.2610, 0.1001, 0.1597

Sweetspot

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



22.2624, 0.5409, 0.2756



57.9113, 0.3533, 0.2975



13.6646, 0.2183, 0.0978



11.4449, 0.3612, 0.2929



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.



22.2624, 0.5409, 0.2756



22.2230, 0.5423, 0.2761



21.8496, 0.6346, 0.3338



18.1077, 0.3231, 0.3195



11.6396, 0.5381, 0.2738



1.1542, 0.5080, 0.2572

Inverse Universe

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



22.2624, 0.5409, 0.2756



22.2230, 0.5423, 0.2761



65.9779, 0.2174, 0.3023



18.1077, 0.3231, 0.3195



11.6396, 0.5381, 0.2738



1.1542, 0.5080, 0.2572

Previews

White Background



This preview shows how the Yxy color 22.2610, 0.5409, 0.2756 looks on a white background.

Color Contrast Check

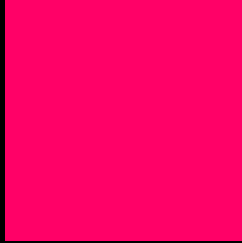
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2610, 0.5409, 0.2756 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 22.2610, 0.5409, 0.2756

Background



This preview shows how black text looks on a background with the Yxy color 22.2610, 0.5409, 0.2756.



This preview shows how white text looks on a background with the Yxy color 22.2610, 0.5409, 0.2756.

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

22.2610, 0.5409, 0.2756

Protanopia

22.7565, 0.2900, 0.2947

Deuteranopia

22.7623, 0.3905, 0.3847



Tritanopia

22.6150, 0.6094, 0.3308

Trichromacy



Original Color

22.2610, 0.5409, 0.2756



Protanomaly

16.8786, 0.3766, 0.2565



Deuteranomaly

17.9359, 0.4632, 0.3101



Tritanomaly

22.2025, 0.5938, 0.3129

Monochromacy



Original Color

22.2610, 0.5409, 0.2756



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

10.1240, 0.4211, 0.2685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2610, 0.5409, 0.2756 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(255, 1, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 1, 103)  
}
```

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(255, 1, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 1, 103) }
```

Border

The CSS property to change the border of an element to Yxy 22.2610, 0.5409, 0.2756 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(255, 1, 103) }
```

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

```
.border{ border-color:rgb(255, 1, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 1, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 1, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 1, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 1,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2610, 0.5409, 0.2756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 1, 103) }
```

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

```
.background{ background-color: rgb(255, 1,  
103) }
```

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