

Converting Colors

$Y_{xy}(25.7256, 0.5536, 0.2748)$

Have a look what the booklet for
Yxy(25.7256, 0.5536, 0.2748)
contains.

Yxy(22.3215, 0.5345, 0.2718)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.3215, 0.5345, 0.2718)

Conversions

Conversions Part 1

Format	Color
Hex	FF006B
RGB	255, 0, 107
RGB Percent	100%, 0%, 42%
CMY	0.0000, 1.0000, 0.5804
CMYK	0.00, 1.00, 0.58, 0.00
HSL	335°, 100%, 50%
HSV	335°, 100%, 100%
XYZ	43.8957, 22.3215, 15.9076
YIQ	88.4430, 117.6330, 87.3370

Conversions

Conversions Part 2

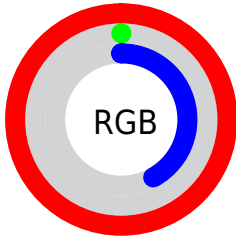
Format	Color
RYB	255, 0, 107
Decimal	16711787
CIELab	54.37, 83.18, 15.99
CIElCh	54, 84.702, 10.878
Yxy	22.3215, 0.5345, 0.2718
Android (android.graphics.Color)	4294901867 (0xFFFF006B)
YUV	88.4430, 9.1486, 146.0705
Hunter-Lab	47.2456, 83.1635, 13.1091

Details

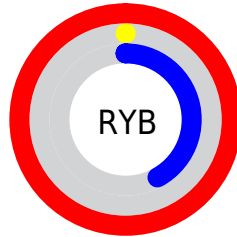
The Yxy color **22.3215, 0.5345, 0.2718** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **73.6582, 0.2655, 0.4757**, and the grayscale version is **9.8225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6523, 0.4307, 0.2711**, and **11.2841, 0.5691, 0.2909** is the 20% darker color. If you saturate the color by 10%, you get **22.3216, 0.5345, 0.2718**, and if you desaturate by 10%, it is **23.3777, 0.5069, 0.2628**.

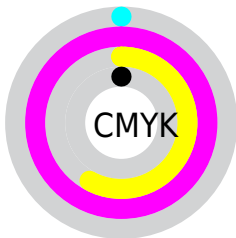
Distribution



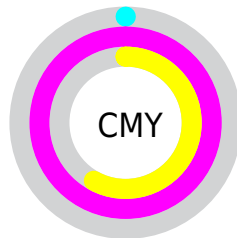
- Red (100%)
- Green (0%)
- Blue (42%)



- Red (100%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3215, 0.5345, 0.2718 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 22.3215, 0.5345, 0.2718 by changing the saturation by 10% instead.


 22.3215, 0.5345,
0.2718

 22.3215, 0.5345,
0.2718


264.2207, 0.4116,
0.3080


 14.0933, 0.5682,
0.2601


 47.2768, 0.4873,
0.2869


 8.1856, 0.6125,
0.2435


 64.7727, 0.4703,
0.2920


 4.2139, 0.6720,
0.2190

 86.1266, 0.4563,
0.2960

 1.7939, 0.7560,
0.1818

 111.7230, 0.4444,
0.2993

 0.4834, 0.8871,
0.1129

 141.9462, 0.4344,
0.3020

 0.0000, 1.0000,
0.0000

177.1806, 0.4257,

 0.0000, 0.0000,

0.3043

0.0000

217.8106, 0.4182,
0.3063

■ 22.3215, 0.5345,
0.2718

■ 22.3215, 0.5345,
0.2718

■ 22.3216, 0.5345,
0.2718

■ 23.3777, 0.5069,
0.2628

■ 25.4235, 0.4773,
0.2587

■ 28.7472, 0.4473,
0.2599

■ 33.5257, 0.4189,
0.2655

■ 39.9075, 0.3932,
0.2742

■ 48.0227, 0.3710,
0.2847

■ 57.9879, 0.3521,
0.2960

■ 69.9093, 0.3364,
0.3075

■ 83.8852, 0.3234,
0.3185

Harmonies

Analogous

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



22.3215, 0.3885, 0.2025



22.3215, 0.5345, 0.2718



22.3215, 0.5898, 0.3493

Triad

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



22.3215, 0.5345, 0.2718



22.3215, 0.3176, 0.6122



22.3215, 0.1065, 0.1495

Complementary

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



22.3215, 0.5345, 0.2718



73.6582, 0.2655, 0.4757

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.



22.3215, 0.0965, 0.2069



22.3215, 0.5345, 0.2718



22.3215, 0.2018, 0.5323

Square

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



22.3215, 0.5345, 0.2718



22.3215, 0.4389, 0.5432



22.3215, 0.1235, 0.3399



22.3215, 0.1514, 0.1365

Rectangle

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



22.3215, 0.5345, 0.2718



22.3215, 0.5668, 0.4069



22.3215, 0.1235, 0.3399



22.3215, 0.0996, 0.1624

Sweetspot

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



22.3220, 0.5345, 0.2718



57.9833, 0.3521, 0.2960



13.1951, 0.2141, 0.0953



11.4618, 0.3597, 0.2912



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.



22.3220, 0.5345, 0.2718



22.3216, 0.5345, 0.2718



21.6612, 0.6366, 0.3327



18.1135, 0.3228, 0.3191



11.6917, 0.5303, 0.2695



1.1596, 0.5009, 0.2533

Inverse Universe

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



22.3220, 0.5345, 0.2718



22.3216, 0.5345, 0.2718



68.3696, 0.2188, 0.3076



18.1135, 0.3228, 0.3191



11.6917, 0.5303, 0.2695



1.1596, 0.5009, 0.2533

Previews

White Background



This preview shows how the Yxy color 22.3215, 0.5345, 0.2718 looks on a white background.

Color Contrast Check

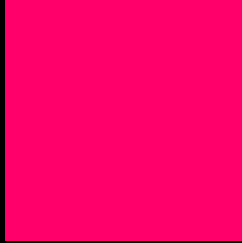
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3215, 0.5345, 0.2718 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 22.3215, 0.5345, 0.2718

Background



This preview shows how black text looks on a background with the Yxy color 22.3215, 0.5345, 0.2718.



This preview shows how white text looks on a background with the Yxy color 22.3215, 0.5345, 0.2718.

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

22.3215, 0.5345, 0.2718

Protanopia

22.8012, 0.2822, 0.2848

Deuteranopia

22.7348, 0.3844, 0.3785



Tritanopia

22.7705, 0.6069, 0.3308

Trichromacy



Original Color

22.3215, 0.5345, 0.2718



Protanomaly

16.9057, 0.3674, 0.2493



Deuteranomaly

17.7338, 0.4559, 0.3033



Tritanomaly

22.2364, 0.5903, 0.3109

Monochromacy



Original Color

22.3215, 0.5345, 0.2718



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

10.0441, 0.4194, 0.2654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3215, 0.5345, 0.2718 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, 0, 107)` looks like.

```
.text, #text, p{  
  color:rgb(255, 0, 107)  
}
```

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, 0, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 107) }
```

Border

The CSS property to change the border of an element to Yxy 22.3215, 0.5345, 0.2718 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, 0, 107) }
```

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

```
.border{ border-color:rgb(255, 0, 107) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3215, 0.5345, 0.2718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 107) }
```

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

```
.background{ background-color: rgb(255, 0,  
107) }
```

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