

Converting Colors

$Yxy(21.2383, 0.5412, 0.2755)$

Have a look what the booklet for
Yxy(21.2383, 0.5412, 0.2755)
contains.

Yxy(21.2636, 0.5407, 0.2753)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2636, 0.5407, 0.2753)

Conversions

Conversions Part 1

Format	Color
Hex	FA0065
RGB	250, 0, 101
RGB Percent	98%, 0%, 40%
CMY	0.0198, 0.9984, 0.6040
CMYK	0.00, 1.00, 0.60, 0.02
HSL	336°, 100%, 49%
HSV	336°, 100%, 98%
XYZ	41.7625, 21.2636, 14.2118
YIQ	86.2640, 116.5790, 84.4110

Conversions

Conversions Part 2

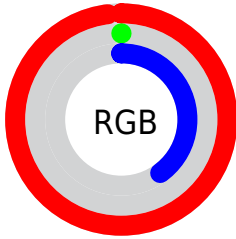
Format	Color
R_{YB}	250, 0, 101
Decimal	16384101
CIE Lab	53.24, 81.68, 17.92
CIE LCh	53, 83.628, 12.375
Yxy	21.2636, 0.5407, 0.2753
Android (android.graphics.Color)	4294574181 (0xFFFA0065)
YUV	86.2640, 7.2648, 143.5965
Hunter-Lab	46.1125, 80.9647, 14.0057

Details

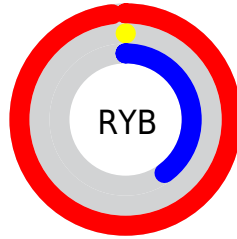
The Yxy color **21.2636, 0.5407, 0.2753** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **70.5316, 0.2637, 0.4693**, and the grayscale version is **9.3812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2297, 0.4405, 0.2773**, and **10.5901, 0.5772, 0.2954** is the 20% darker color. If you saturate the color by 10%, you get **21.2514, 0.5411, 0.2755**, and if you desaturate by 10%, it is **22.2882, 0.5125, 0.2662**.

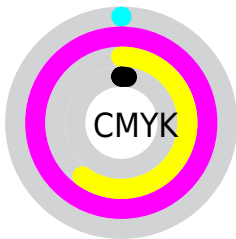
Distribution



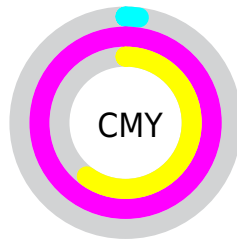
- Red (98%)
- Green (0%)
- Blue (40%)



- Red (98%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2636, 0.5407, 0.2753 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 21.2636, 0.5407, 0.2753 by changing the saturation by 10% instead.


 21.2636, 0.5407,
0.2753


 21.2636, 0.5407,
0.2753

258.6761, 0.4135,
0.3105


 13.3168, 0.5758,
0.2634


 45.5258, 0.4917,
0.2903

 7.6471, 0.6219,
0.2464


 62.6101, 0.4741,
0.2953


 3.8700, 0.6839,
0.2206

 83.5089, 0.4595,
0.2992

 1.6011, 0.7780,
0.1828

 108.6068, 0.4473,
0.3023

 0.3583, 0.9044,
0.0956

 138.2880, 0.4369,
0.3049

 0.0000, 1.0000,
0.0000

 172.9370, 0.4280,

 0.0000, 0.0000,

0.3071

0.0000

212.9383, 0.4203,
0.3089

■ 21.2636, 0.5407,
0.2753

■ 21.2636, 0.5407,
0.2753

■ 21.2514, 0.5411,
0.2755

■ 22.2882, 0.5125,
0.2662

■ 24.2663, 0.4819,
0.2619

■ 27.4702, 0.4509,
0.2629

■ 32.0679, 0.4216,
0.2682

■ 38.2006, 0.3951,
0.2765

■ 45.9920, 0.3722,
0.2866

■ 55.5532, 0.3529,
0.2975

■ 66.9854, 0.3367,
0.3085

■ 80.3823, 0.3234,
0.3191

Harmonies

Analogous

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



21.2636, 0.3968, 0.2052



21.2636, 0.5407, 0.2753



21.2636, 0.5903, 0.3532

Triad

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



21.2636, 0.5407, 0.2753



21.2636, 0.3113, 0.6137



21.2636, 0.1075, 0.1475

Complementary

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



21.2636, 0.5407, 0.2753



70.5316, 0.2637, 0.4693

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.



21.2636, 0.0958, 0.2021



21.2636, 0.5407, 0.2753



21.2636, 0.1963, 0.5245

Square

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



21.2636, 0.5407, 0.2753



21.2636, 0.4331, 0.5487



21.2636, 0.1205, 0.3310



21.2636, 0.1544, 0.1363

Rectangle

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



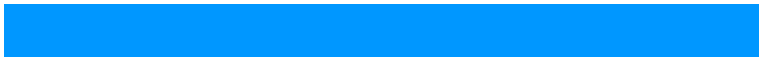
21.2636, 0.5407, 0.2753



21.2636, 0.5641, 0.4114



21.2636, 0.1205, 0.3310



21.2636, 0.1000, 0.1597

Sweetspot

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



21.2649, 0.5407, 0.2753



57.9201, 0.3532, 0.2973



13.0176, 0.2180, 0.0975



11.4470, 0.3610, 0.2927



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.



21.2649, 0.5407, 0.2753



22.2348, 0.5414, 0.2756



20.8614, 0.6350, 0.3338



17.3412, 0.3230, 0.3195



11.3030, 0.5369, 0.2732



1.0672, 0.5055, 0.2558

Inverse Universe

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



21.2649, 0.5407, 0.2753



22.2348, 0.5414, 0.2756



63.0320, 0.2173, 0.3023



17.3412, 0.3230, 0.3195



11.3030, 0.5369, 0.2732



1.0672, 0.5055, 0.2558

Previews

White Background



This preview shows how the Yxy color 21.2636, 0.5407, 0.2753 looks on a white background.

Color Contrast Check

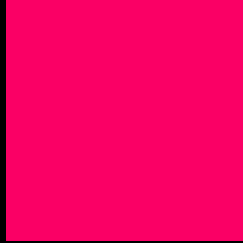
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2636, 0.5407, 0.2753 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 21.2636, 0.5407, 0.2753

Background



This preview shows how black text looks on a background with the Yxy color 21.2636, 0.5407, 0.2753.



This preview shows how white text looks on a background with the Yxy color 21.2636, 0.5407, 0.2753.

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

21.2636, 0.5407, 0.2753

Protanopia

21.9049, 0.2896, 0.2958

Deuteranopia

21.6764, 0.3910, 0.3841



Tritanopia

21.6140, 0.6094, 0.3308

Trichromacy



Original Color

21.2636, 0.5407, 0.2753



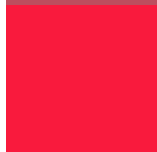
Protanomaly

16.1923, 0.3761, 0.2578



Deuteranomaly

16.9483, 0.4638, 0.3084



Tritanomaly

21.2154, 0.5934, 0.3125

Monochromacy



Original Color

21.2636, 0.5407, 0.2753



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

9.5987, 0.4237, 0.2692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2636, 0.5407, 0.2753 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(250, 0, 101)` looks like.

```
.text, #text, p{  
  color:rgb(250, 0, 101)  
}
```

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(250, 0, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 101) }
```

Border

The CSS property to change the border of an element to Yxy 21.2636, 0.5407, 0.2753 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(250, 0, 101) }
```

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

```
.border{ border-color:rgb(250, 0, 101) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 101);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2636, 0.5407, 0.2753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 101) }
```

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

```
.background{ background-color: rgb(250, 0,  
101) }
```

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