

Converting Colors

$Y_{xy}(21.8040, 0.5356, 0.2724)$

Have a look what the booklet for
Yxy(21.8040, 0.5356, 0.2724)
contains.

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Color

Yxy(21.7154, 0.5356, 0.2724)

Conversions

Conversions Part 1

Format	Color
Hex	FC0069
RGB	252, 0, 105
RGB Percent	99%, 0%, 41%
CMY	0.0117, 1.0000, 0.5882
CMYK	0.00, 1.00, 0.58, 0.01
HSL	335°, 100%, 49%
HSV	335°, 100%, 99%
XYZ	42.6974, 21.7154, 15.3060
YIQ	87.3180, 116.4870, 86.0790

Conversions

Conversions Part 2

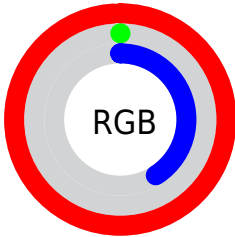
Format	Color
RYB	252, 0, 105
Decimal	16515177
CIELab	53.72, 82.40, 16.22
CIElCh	54, 83.983, 11.137
Yxy	21.7154, 0.5356, 0.2724
Android (android.graphics.Color)	4294705257 (0xFFFC0069)
YUV	87.3180, 8.7172, 144.4261
Hunter-Lab	46.5998, 82.0023, 13.1457

Details

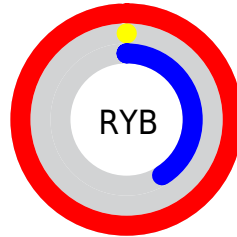
The Yxy color **21.7154, 0.5356, 0.2724** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **71.7335, 0.2652, 0.4746**, and the grayscale version is **9.5654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3957, 0.4337, 0.2723**, and **10.8806, 0.5709, 0.2919** is the 20% darker color. If you saturate the color by 10%, you get **21.7171, 0.5356, 0.2724**, and if you desaturate by 10%, it is **22.7499, 0.5079, 0.2634**.

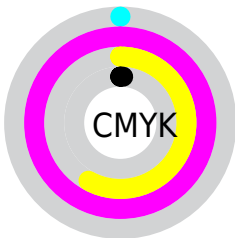
Distribution



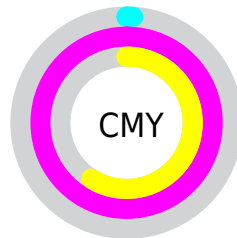
- Red (99%)
- Green (0%)
- Blue (41%)



- Red (99%)
- Yellow (0%)
- Blue (41%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (1%)




- Cyan (1%)
- Magenta (100%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7154, 0.5356, 0.2724 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 21.7154, 0.5356, 0.2724 by changing the saturation by 10% instead.


 21.7154, 0.5356,
0.2724


 21.7154, 0.5356,
0.2724


261.0564, 0.4116,
0.3085


 13.6479, 0.5698,
0.2606


 46.2752, 0.4879,
0.2876


 7.8762, 0.6148,
0.2438

 63.5362, 0.4707,
0.2926

 4.0158, 0.6755,
0.2187

 84.6307, 0.4565,
0.2967

 1.6824, 0.7631,
0.1810

 109.9428, 0.4446,
0.2999

 0.4122, 0.8964,
0.1036

 139.8570, 0.4345,
0.3026

 0.0000, 1.0000,
0.0000

 174.7578, 0.4258,

 0.0000, 0.0000,

0.3049

0.0000

215.0294, 0.4182,
0.3068

■ 21.7154, 0.5356,
0.2724

■ 21.7154, 0.5356,
0.2724

■ 21.7171, 0.5356,
0.2724

■ 22.7499, 0.5079,
0.2634

■ 24.7454, 0.4781,
0.2592

■ 27.9847, 0.4479,
0.2604

■ 32.6397, 0.4194,
0.2660

■ 38.8548, 0.3936,
0.2746

■ 46.7561, 0.3712,
0.2850

■ 56.4570, 0.3523,
0.2963

■ 68.0608, 0.3365,
0.3076

■ 81.6630, 0.3234,
0.3186

Harmonies

Analogous

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



21.7154, 0.3900, 0.2030



21.7154, 0.5356, 0.2724



21.7154, 0.5899, 0.3499

Triad

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



21.7154, 0.5356, 0.2724



21.7154, 0.3165, 0.6125



21.7154, 0.1067, 0.1491

Complementary

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



21.7154, 0.5356, 0.2724



71.7335, 0.2652, 0.4746

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.



21.7154, 0.0964, 0.2060



21.7154, 0.5356, 0.2724



21.7154, 0.2008, 0.5310

Square

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



21.7154, 0.5356, 0.2724



21.7154, 0.4379, 0.5442



21.7154, 0.1230, 0.3384



21.7154, 0.1519, 0.1365

Rectangle

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



21.7154, 0.5356, 0.2724



21.7154, 0.5664, 0.4077



21.7154, 0.1230, 0.3384



21.7154, 0.0997, 0.1619

Sweetspot

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



21.7171, 0.5356, 0.2724



57.9720, 0.3523, 0.2963



13.2324, 0.2178, 0.0973



11.4591, 0.3599, 0.2915



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.



21.7171, 0.5356, 0.2724



22.3058, 0.5357, 0.2725



21.2335, 0.6353, 0.3338



17.3452, 0.3228, 0.3192



11.3395, 0.5313, 0.2701



1.0708, 0.5004, 0.2530

Inverse Universe

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



21.7171, 0.5356, 0.2724



22.3058, 0.5357, 0.2725



64.1854, 0.2173, 0.3022



17.3452, 0.3228, 0.3192



11.3395, 0.5313, 0.2701



1.0708, 0.5004, 0.2530

Previews

White Background



This preview shows how the Yxy color 21.7154, 0.5356, 0.2724 looks on a white background.

Color Contrast Check

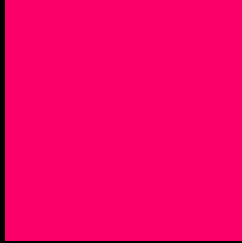
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7154, 0.5356, 0.2724 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 21.7154, 0.5356, 0.2724

Background



This preview shows how black text looks on a background with the Yxy color 21.7154, 0.5356, 0.2724.

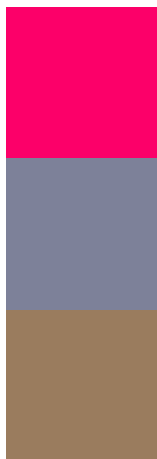


This preview shows how white text looks on a background with the Yxy color 21.7154, 0.5356, 0.2724.

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

21.7154, 0.5356, 0.2724

Protanopia

22.3604, 0.2838, 0.2877

Deuteranopia

22.0935, 0.3868, 0.3789



Tritanopia

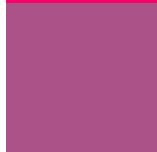
22.1331, 0.6073, 0.3308

Trichromacy



Original Color

21.7154, 0.5356, 0.2724



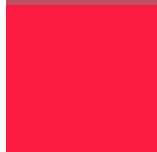
Protanomaly

16.4701, 0.3680, 0.2499



Deuteranomaly

17.4210, 0.4587, 0.3046



Tritanomaly

21.6633, 0.5903, 0.3111

Monochromacy



Original Color

21.7154, 0.5356, 0.2724



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.7436, 0.4188, 0.2646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7154, 0.5356, 0.2724 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 105) }
```

Border

The CSS property to change the border of an element to Yxy 21.7154, 0.5356, 0.2724 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, 105) }
```

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

```
.border{ border-color:rgb(252, 0, 105) }
```

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, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 105);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7154, 0.5356, 0.2724 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, 105) }
```

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

```
.background{ background-color: rgb(252, 0,  
105) }
```

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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