

Converting Colors

$Y_{xy}(21.6393, 0.5100, 0.2583)$

Have a look what the booklet for
Yxy(21.6393, 0.5100, 0.2583)
contains.

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Color

Yxy(21.6559, 0.5103, 0.2585)

Conversions

Conversions Part 1

Format	Color
Hex	FA0077
RGB	250, 0, 119
RGB Percent	98%, 0%, 47%
CMY	0.0196, 0.9994, 0.5335
CMYK	0.00, 1.00, 0.52, 0.02
HSL	331°, 100%, 49%
HSV	331°, 100%, 98%
XYZ	42.7505, 21.6559, 19.3688
YIQ	88.3160, 110.8010, 90.0090

Conversions

Conversions Part 2

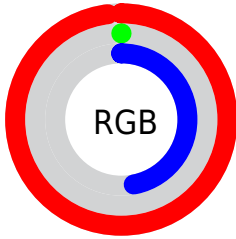
Format	Color
R_{YB}	250, 0, 119
Decimal	16384119
CIE _{Lab}	53.66, 82.83, 7.62
CIE _{LCh}	54, 83.184, 5.258
Yxy	21.6559, 0.5103, 0.2585
Android (android.graphics.Color)	4294574199 (0xFFFA0077)
YUV	88.3160, 15.1272, 141.7969
Hunter-Lab	46.5359, 82.5424, 7.8979

Details

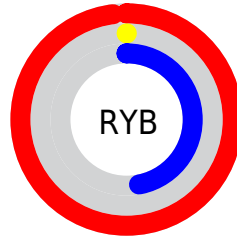
The Yxy color **21.6559, 0.5103, 0.2585** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **70.0113, 0.2709, 0.4953**, and the grayscale version is **9.8003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9356, 0.4138, 0.2573**, and **10.8940, 0.5453, 0.2778** is the 20% darker color. If you saturate the color by 10%, you get **21.6516, 0.5105, 0.2586**, and if you desaturate by 10%, it is **22.6929, 0.4852, 0.2506**.

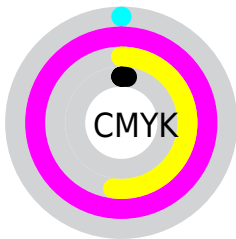
Distribution



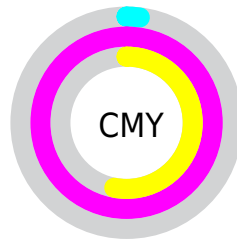
- Red (98%)
- Green (0%)
- Blue (47%)



- Red (98%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6559, 0.5103, 0.2585 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 21.6559, 0.5103, 0.2585 by changing the saturation by 10% instead.


 21.6559, 0.5103,
0.2585


 21.6559, 0.5103,
0.2585


260.7440, 0.4005,
0.2996


 13.6043, 0.5409,
0.2463


 46.1766, 0.4679,
0.2749

 7.8460, 0.5818,
0.2294


 63.4145, 0.4527,
0.2806


 3.9965, 0.6381,
0.2052

 84.4833, 0.4402,
0.2853

 1.6716, 0.7180,
0.1688

 109.7673, 0.4296,
0.2891

 0.4052, 0.8983,
0.1017

 139.6510, 0.4207,
0.2924

 0.0000, 1.0000,
0.0000

174.5187, 0.4130,

 0.0000, 0.0000,

0.2952

0.0000

214.7549, 0.4063,
0.2975

■ 21.6559, 0.5103,
0.2585

■ 21.6559, 0.5103,
0.2585

■ 21.6516, 0.5105,
0.2586

■ 22.6929, 0.4852,
0.2506

■ 24.6678, 0.4589,
0.2477

■ 27.8556, 0.4325,
0.2502

■ 32.4238, 0.4075,
0.2571

■ 38.5130, 0.3849,
0.2672

■ 46.2464, 0.3652,
0.2791

■ 55.7346, 0.3483,
0.2919

■ 67.0782, 0.3341,
0.3047

■ 80.3704, 0.3224,
0.3172

Harmonies

Analogous

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



21.6559, 0.3584, 0.1923



21.6559, 0.5103, 0.2585



21.6559, 0.5865, 0.3347

Triad

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



21.6559, 0.5103, 0.2585



21.6559, 0.3409, 0.6050



21.6559, 0.1032, 0.1571

Complementary

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



21.6559, 0.5103, 0.2585



70.0113, 0.2709, 0.4953

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.



21.6559, 0.0995, 0.2259



21.6559, 0.5103, 0.2585



21.6559, 0.2228, 0.5592

Square

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



21.6559, 0.5103, 0.2585



21.6559, 0.4604, 0.5232



21.6559, 0.1351, 0.3745



21.6559, 0.1408, 0.1374

Rectangle

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



21.6559, 0.5103, 0.2585



21.6559, 0.5758, 0.3902



21.6559, 0.1351, 0.3745



21.6559, 0.0983, 0.1732

Sweetspot

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



21.6572, 0.5103, 0.2585



58.2002, 0.3484, 0.2917



11.5913, 0.2039, 0.0897



11.5128, 0.3552, 0.2863



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.



21.6572, 0.5103, 0.2585



22.6469, 0.5107, 0.2587



20.4169, 0.6392, 0.3306



17.3627, 0.3219, 0.3178



11.5141, 0.5066, 0.2565



1.0877, 0.4786, 0.2410

Inverse Universe

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



21.6572, 0.5103, 0.2585



22.6469, 0.5107, 0.2587



72.7099, 0.2232, 0.3236



17.3627, 0.3219, 0.3178



11.5141, 0.5066, 0.2565



1.0877, 0.4786, 0.2410

Previews

White Background



This preview shows how the Yxy color 21.6559, 0.5103, 0.2585 looks on a white background.

Color Contrast Check

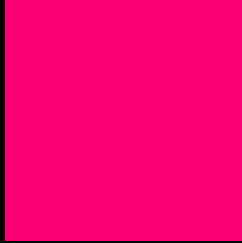
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6559, 0.5103, 0.2585 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 21.6559, 0.5103, 0.2585

Background



This preview shows how black text looks on a background with the Yxy color 21.6559, 0.5103, 0.2585.

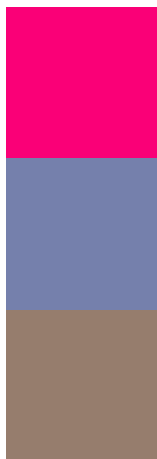


This preview shows how white text looks on a background with the Yxy color 21.6559, 0.5103, 0.2585.

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

21.6559, 0.5103, 0.2585

Protanopia

22.1988, 0.2591, 0.2557

Deuteranopia

22.2554, 0.3628, 0.3561



Tritanopia

22.0124, 0.5977, 0.3298

Trichromacy



Original Color

21.6559, 0.5103, 0.2585



Protanomaly

16.3338, 0.3344, 0.2249



Deuteranomaly

17.3687, 0.4274, 0.2844



Tritanomaly

21.3660, 0.5765, 0.3050

Monochromacy



Original Color

21.6559, 0.5103, 0.2585



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.9322, 0.4075, 0.2578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6559, 0.5103, 0.2585 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 119) }
```

Border

The CSS property to change the border of an element to Yxy 21.6559, 0.5103, 0.2585 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, 119) }
```

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

```
.border{ border-color:rgb(250, 0, 119) }
```

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, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 119);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6559, 0.5103, 0.2585 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, 119) }
```

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

```
.background{ background-color: rgb(250, 0,  
119) }
```

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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