

Converting Colors

$Y_{xy}(21.0585, 0.5111, 0.2589)$

Have a look what the booklet for
Yxy(21.0585, 0.5111, 0.2589)
contains.

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Color

Yxy(21.0585, 0.5111, 0.2589)

Conversions

Conversions Part 1

Format	Color
Hex	F70075
RGB	247, 0, 117
RGB Percent	97%, 0%, 46%
CMY	0.0313, 1.0000, 0.5411
CMYK	0.00, 1.00, 0.53, 0.03
HSL	332°, 100%, 48%
HSV	332°, 100%, 97%
XYZ	41.5720, 21.0585, 18.7078
YIQ	87.1910, 109.6550, 88.7510

Conversions

Conversions Part 2

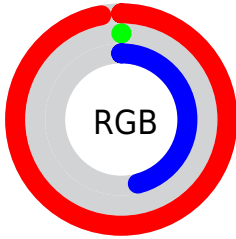
Format	Color
R_{YB}	247, 0, 117
Decimal	16187509
CIE Lab	53.01, 82.07, 7.80
CIE LCh	53, 82.438, 5.431
Yxy	21.0585, 0.5111, 0.2589
Android (android.graphics.Color)	4294377589 (0xFFFF70075)
YUV	87.1910, 14.6958, 140.1525
Hunter-Lab	45.8895, 81.3992, 7.9519

Details

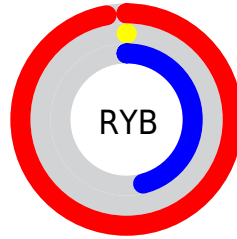
The Yxy color **21.0585, 0.5111, 0.2589** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **68.1391, 0.2708, 0.4947**, and the grayscale version is **9.5250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6740, 0.4167, 0.2585**, and **10.4970, 0.5469, 0.2787** is the 20% darker color. If you saturate the color by 10%, you get **21.0607, 0.5111, 0.2589**, and if you desaturate by 10%, it is **22.0706, 0.4860, 0.2510**.

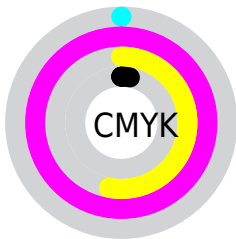
Distribution



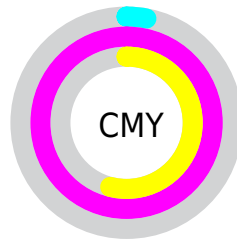
- Red (97%)
- Green (0%)
- Blue (46%)



- Red (97%)
- Yellow (0%)
- Blue (46%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0585, 0.5111, 0.2589 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 21.0585, 0.5111, 0.2589 by changing the saturation by 10% instead.

 21.0585, 0.5111,
0.2589


 21.0585, 0.5111,
0.2589


257.5892, 0.4004,
0.3000


 13.1668, 0.5422,
0.2465


 45.1849, 0.4682,
0.2754


 7.5435, 0.5837,
0.2294


 62.1883, 0.4529,
0.2811

 3.8043, 0.6412,
0.2048

 82.9978, 0.4402,
0.2858

 1.5647, 0.7230,
0.1674

 107.9976, 0.4297,
0.2896

 0.3336, 0.9096,
0.0904

 137.5723, 0.4207,
0.2929

 0.0000, 1.0000,
0.0000

 172.1062, 0.4129,

 0.0000, 0.0000,

0.2956

0.0000

211.9837, 0.4062,
0.2980

■ 21.0585, 0.5111,
0.2589

■ 21.0585, 0.5111,
0.2589

■ 21.0607, 0.5111,
0.2589

■ 22.0706, 0.4860,
0.2510

■ 23.9899, 0.4595,
0.2481

■ 27.0880, 0.4330,
0.2505

■ 31.5276, 0.4079,
0.2574

■ 37.4454, 0.3852,
0.2674

■ 44.9611, 0.3654,
0.2792

■ 54.1820, 0.3485,
0.2919

■ 65.2061, 0.3343,
0.3048

■ 78.1238, 0.3225,
0.3172

Harmonies

Analogous

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



21.0585, 0.3593, 0.1926



21.0585, 0.5111, 0.2589



21.0585, 0.5867, 0.3351

Triad

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



21.0585, 0.5111, 0.2589



21.0585, 0.3402, 0.6053



21.0585, 0.1033, 0.1569

Complementary

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



21.0585, 0.5111, 0.2589



68.1391, 0.2708, 0.4947

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.



21.0585, 0.0993, 0.2253



21.0585, 0.5111, 0.2589



21.0585, 0.2221, 0.5585

Square

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



21.0585, 0.5111, 0.2589



21.0585, 0.4598, 0.5239



21.0585, 0.1347, 0.3734



21.0585, 0.1411, 0.1374

Rectangle

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



21.0585, 0.5111, 0.2589



21.0585, 0.5756, 0.3907



21.0585, 0.1347, 0.3734



21.0585, 0.0983, 0.1728

Sweetspot

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



21.0607, 0.5111, 0.2589



58.1931, 0.3486, 0.2919



11.2759, 0.2039, 0.0897



11.5111, 0.3554, 0.2865



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.



21.0607, 0.5111, 0.2589



22.6356, 0.5115, 0.2591



19.8653, 0.6392, 0.3306



16.6132, 0.3219, 0.3178



11.1655, 0.5072, 0.2568



1.0020, 0.4777, 0.2405

Inverse Universe

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



21.0607, 0.5111, 0.2589



22.6356, 0.5115, 0.2591



70.7532, 0.2232, 0.3236



16.6132, 0.3219, 0.3178



11.1655, 0.5072, 0.2568



1.0020, 0.4777, 0.2405

Previews

White Background



This preview shows how the Yxy color 21.0585, 0.5111, 0.2589 looks on a white background.

Color Contrast Check

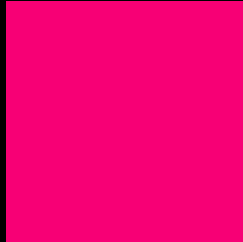
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0585, 0.5111, 0.2589 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 21.0585, 0.5111, 0.2589

Background



This preview shows how black text looks on a background with the Yxy color 21.0585, 0.5111, 0.2589.



This preview shows how white text looks on a background with the Yxy color 21.0585, 0.5111, 0.2589.

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

21.0585, 0.5111, 0.2589

Protanopia

21.7563, 0.2605, 0.2581

Deuteranopia

21.5234, 0.3635, 0.3565



Tritanopia

21.4634, 0.5975, 0.3304

Trichromacy



Original Color

21.0585, 0.5111, 0.2589



Protanomaly

15.9794, 0.3374, 0.2269



Deuteranomaly

16.7868, 0.4292, 0.2841



Tritanomaly

20.8089, 0.5763, 0.3052

Monochromacy



Original Color

21.0585, 0.5111, 0.2589



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.6340, 0.4067, 0.2570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0585, 0.5111, 0.2589 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(247, 0, 117)` looks like.

```
.text, #text, p{  
  color:rgb(247, 0, 117)  
}
```

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(247, 0, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 117) }
```

Border

The CSS property to change the border of an element to Yxy 21.0585, 0.5111, 0.2589 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(247, 0, 117) }
```

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

```
.border{ border-color:rgb(247, 0, 117) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 117);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0585, 0.5111, 0.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 117) }
```

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

```
.background{ background-color: rgb(247, 0,  
117) }
```

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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