

Converting Colors

$Y_{xy}(20.7947, 0.4994, 0.2525)$

Have a look what the booklet for
Yxy(20.7947, 0.4994, 0.2525)
contains.

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Color

Yxy(20.8425, 0.4988, 0.2521)

Conversions

Conversions Part 1

Format	Color
Hex	F5007B
RGB	245, 0, 123
RGB Percent	96%, 0%, 48%
CMY	0.0391, 1.0000, 0.5176
CMYK	0.00, 1.00, 0.50, 0.04
HSL	330°, 100%, 48%
HSV	330°, 100%, 96%
XYZ	41.2386, 20.8425, 20.5945
YIQ	87.2770, 106.5370, 90.1930

Conversions

Conversions Part 2

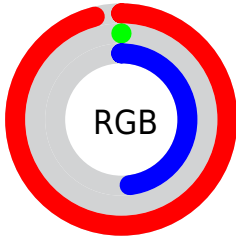
Format	Color
R_{YB}	245, 0, 123
Decimal	16056443
CIE _{Lab}	52.78, 82.07, 3.78
CIE _{LCh}	53, 82.158, 2.634
Yxy	20.8425, 0.4988, 0.2521
Android (android.graphics.Color)	4294246523 (0xFF5007B)
YUV	87.2770, 17.6114, 138.3231
Hunter-Lab	45.6536, 81.3440, 5.2116

Details

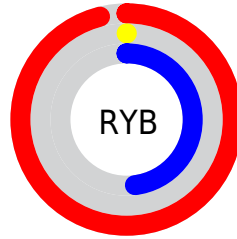
The Yxy color **20.8425, 0.4988, 0.2521** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **66.7246, 0.2734, 0.5044**, and the grayscale version is **9.5396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9045, 0.4088, 0.2526**, and **10.4531, 0.5326, 0.2708** is the 20% darker color. If you saturate the color by 10%, you get **20.8473, 0.4988, 0.2521**, and if you desaturate by 10%, it is **21.8464, 0.4751, 0.2449**.

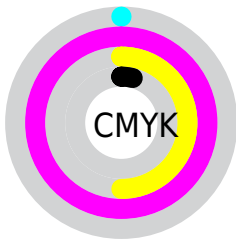
Distribution



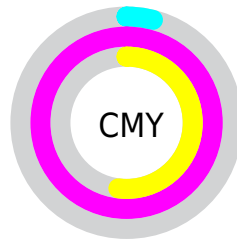
- Red (96%)
- Green (0%)
- Blue (48%)



- Red (96%)
- Yellow (0%)
- Blue (48%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8425, 0.4988, 0.2521 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 20.8425, 0.4988, 0.2521 by changing the saturation by 10% instead.


 20.8425, 0.4988,
0.2521


 20.8425, 0.4988,
0.2521


256.4403, 0.3951,
0.2959


 13.0089, 0.5280,
0.2394


 44.8253, 0.4586,
0.2693

 7.4347, 0.5673,
0.2221


 61.7432, 0.4442,
0.2754


 3.7354, 0.6220,
0.1974

 82.4581, 0.4324,
0.2804

 1.5267, 0.7012,
0.1608

 107.3544, 0.4225,
0.2845

 0.3074, 0.8970,
0.0837

 136.8163, 0.4141,
0.2880

 0.0000, 1.0000,
0.0000

 171.2283, 0.4068,

 0.0000, 0.0000,

0.2910

0.0000

210.9749, 0.4005,
0.2936

■ 20.8425, 0.4988,
0.2521

■ 20.8425, 0.4988,
0.2521

■ 20.8473, 0.4988,
0.2521

■ 21.8464, 0.4751,
0.2449

■ 23.7336, 0.4504,
0.2426

■ 26.7736, 0.4257,
0.2457

■ 31.1256, 0.4024,
0.2532

■ 36.9235, 0.3812,
0.2639

■ 44.2843, 0.3626,
0.2764

■ 53.3131, 0.3466,
0.2898

■ 64.1057, 0.3332,
0.3034

■ 76.7505, 0.3220,
0.3165

Harmonies

Analogous

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



20.8425, 0.3447, 0.1874



20.8425, 0.4988, 0.2521



20.8425, 0.5845, 0.3278

Triad

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



20.8425, 0.4988, 0.2521



20.8425, 0.3516, 0.6011



20.8425, 0.1015, 0.1608

Complementary

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



20.8425, 0.4988, 0.2521



66.7246, 0.2734, 0.5044

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.



20.8425, 0.1008, 0.2353



20.8425, 0.4988, 0.2521



20.8425, 0.2325, 0.5708

Square

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



20.8425, 0.4988, 0.2521



20.8425, 0.4703, 0.5143



20.8425, 0.1406, 0.3913



20.8425, 0.1359, 0.1377

Rectangle

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



20.8425, 0.4988, 0.2521



20.8425, 0.5797, 0.3825



20.8425, 0.1406, 0.3913



20.8425, 0.0976, 0.1784

Sweetspot

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



20.8473, 0.4988, 0.2521



58.3051, 0.3467, 0.2897



10.4756, 0.1974, 0.0861



11.5376, 0.3531, 0.2840



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.



20.8473, 0.4988, 0.2521



22.8192, 0.4992, 0.2524



19.4257, 0.6388, 0.3293



16.6213, 0.3215, 0.3172



11.2564, 0.4952, 0.2501



1.0101, 0.4674, 0.2349

Inverse Universe

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



20.8473, 0.4988, 0.2521



22.8192, 0.4992, 0.2524



71.6666, 0.2261, 0.3339



16.6213, 0.3215, 0.3172



11.2564, 0.4952, 0.2501



1.0101, 0.4674, 0.2349

Previews

White Background



This preview shows how the Yxy color 20.8425, 0.4988, 0.2521 looks on a white background.

Color Contrast Check

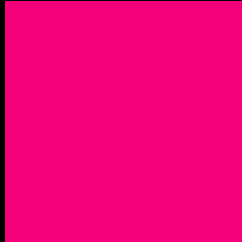
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8425, 0.4988, 0.2521 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 20.8425, 0.4988, 0.2521

Background



This preview shows how black text looks on a background with the Yxy color 20.8425, 0.4988, 0.2521.



This preview shows how white text looks on a background with the Yxy color 20.8425, 0.4988, 0.2521.

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

20.8425, 0.4988, 0.2521

Protanopia

21.5808, 0.2495, 0.2428

Deuteranopia

21.3779, 0.3522, 0.3464



Tritanopia

21.2956, 0.5927, 0.3298

Trichromacy



Original Color

20.8425, 0.4988, 0.2521



Protanomaly

15.6795, 0.3209, 0.2138



Deuteranomaly

16.5569, 0.4147, 0.2748



Tritanomaly

20.5565, 0.5693, 0.3020

Monochromacy



Original Color

20.8425, 0.4988, 0.2521



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.5818, 0.4007, 0.2531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8425, 0.4988, 0.2521 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(245, 0, 123)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 123)  
}
```

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(245, 0, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 123) }
```

Border

The CSS property to change the border of an element to Yxy 20.8425, 0.4988, 0.2521 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(245, 0, 123) }
```

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

```
.border{ border-color:rgb(245, 0, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 0, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 123);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8425, 0.4988, 0.2521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 123) }
```

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

```
.background{ background-color: rgb(245, 0,  
123) }
```

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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