

Converting Colors

$Y_{xy}(20.8959, 0.4924, 0.2486)$

Have a look what the booklet for
Yxy(20.8959, 0.4924, 0.2486)
contains.

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Color

Yxy(20.9448, 0.4917, 0.2483)

Conversions

Conversions Part 1

Format	Color
Hex	F5007F
RGB	245, 0, 127
RGB Percent	96%, 0%, 50%
CMY	0.0394, 0.9984, 0.5020
CMYK	0.00, 1.00, 0.48, 0.04
HSL	329°, 100%, 48%
HSV	329°, 100%, 96%
XYZ	41.4763, 20.9448, 21.9317
YIQ	87.7330, 105.2530, 91.4370

Conversions

Conversions Part 2

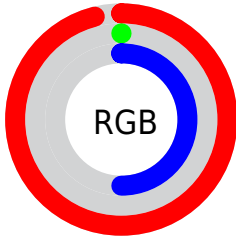
Format	Color
R_{YB}	245, 0, 127
Decimal	16056447
CIE _{Lab}	52.89, 82.31, 1.54
CIE _{LCh}	53, 82.327, 1.069
Yxy	20.9448, 0.4917, 0.2483
Android (android.graphics.Color)	4294246527 (0xFF5007F)
YUV	87.7330, 19.3586, 137.9232
Hunter-Lab	45.7655, 81.6811, 3.6229

Details

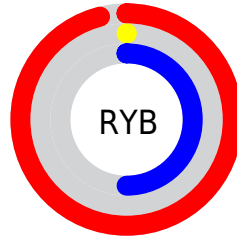
The Yxy color **20.9448, 0.4917, 0.2483** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **66.6003, 0.2748, 0.5094**, and the grayscale version is **9.6881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0641, 0.4036, 0.2488**, and **10.4951, 0.5258, 0.2670** is the 20% darker color. If you saturate the color by 10%, you get **20.9324, 0.4921, 0.2484**, and if you desaturate by 10%, it is **21.9545, 0.4689, 0.2414**.

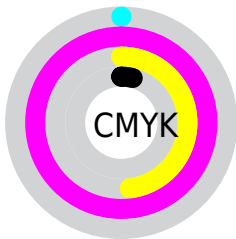
Distribution



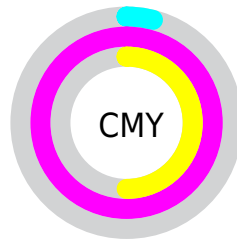
- Red (96%)
- Green (0%)
- Blue (50%)



- Red (96%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (48%)
- Black (4%)




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9448, 0.4917, 0.2483 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 20.9448, 0.4917, 0.2483 by changing the saturation by 10% instead.

 20.9448, 0.4917,
0.2483


 20.9448, 0.4917,
0.2483


256.9850, 0.3922,
0.2935


 13.0837, 0.5197,
0.2354


 44.9956, 0.4532,
0.2659

 7.4862, 0.5573,
0.2180


 61.9541, 0.4394,
0.2722


 3.7680, 0.6099,
0.1936

 82.7139, 0.4280,
0.2773

 1.5446, 0.6863,
0.1576

 107.6593, 0.4185,
0.2816

 0.3198, 0.8562,
0.0820

 137.1747, 0.4104,
0.2853

 0.0000, 1.0000,
0.0000

 171.6445, 0.4035,

 0.0000, 0.0000,

0.2884

0.0000

211.4531, 0.3975,
0.2912

■ 20.9448, 0.4917,
0.2483

■ 20.9448, 0.4917,
0.2483

■ 20.9324, 0.4921,
0.2484

■ 21.9545, 0.4689,
0.2414

■ 23.8568, 0.4451,
0.2396

■ 26.9119, 0.4214,
0.2432

■ 31.2783, 0.3990,
0.2511

■ 37.0892, 0.3787,
0.2621

■ 44.4613, 0.3608,
0.2751

■ 53.4993, 0.3454,
0.2889

■ 64.2987, 0.3324,
0.3028

■ 76.9478, 0.3216,
0.3163

Harmonies

Analogous

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



20.9448, 0.3367, 0.1846



20.9448, 0.4917, 0.2483



20.9448, 0.5830, 0.3237

Triad

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



20.9448, 0.4917, 0.2483



20.9448, 0.3579, 0.5984



20.9448, 0.1006, 0.1631

Complementary

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



20.9448, 0.4917, 0.2483



66.6003, 0.2748, 0.5094

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.



20.9448, 0.1016, 0.2412



20.9448, 0.4917, 0.2483



20.9448, 0.2383, 0.5772

Square

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



20.9448, 0.4917, 0.2483



20.9448, 0.4761, 0.5088



20.9448, 0.1441, 0.4015



20.9448, 0.1332, 0.1379

Rectangle

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



20.9448, 0.4917, 0.2483



20.9448, 0.5817, 0.3780



20.9448, 0.1441, 0.4015



20.9448, 0.0972, 0.1816

Sweetspot

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



20.9460, 0.4917, 0.2483



58.3672, 0.3457, 0.2886



10.2116, 0.1945, 0.0845



11.5523, 0.3519, 0.2827



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.



20.9460, 0.4917, 0.2483



22.9258, 0.4925, 0.2487



19.4327, 0.6374, 0.3286



16.6258, 0.3212, 0.3168



11.3090, 0.4886, 0.2465



1.0147, 0.4618, 0.2318

Inverse Universe

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



20.9460, 0.4917, 0.2483



22.9258, 0.4925, 0.2487



71.3867, 0.2276, 0.3391



16.6258, 0.3212, 0.3168



11.3090, 0.4886, 0.2465



1.0147, 0.4618, 0.2318

Previews

White Background



This preview shows how the Yxy color 20.9448, 0.4917, 0.2483 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 20.9448, 0.4917, 0.2483 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 20.9448, 0.4917, 0.2483

Background



This preview shows how black text looks on a background with the Yxy color 20.9448, 0.4917, 0.2483.



This preview shows how white text looks on a background with the Yxy color 20.9448, 0.4917, 0.2483.

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

20.9448, 0.4917, 0.2483

Protanopia

21.6556, 0.2442, 0.2357

Deuteranopia

21.3796, 0.3461, 0.3395



Tritanopia

21.2210, 0.5897, 0.3292

Trichromacy



Original Color

20.9448, 0.4917, 0.2483



Protanomaly

15.7526, 0.3130, 0.2074



Deuteranomaly

16.6530, 0.4079, 0.2692



Tritanomaly

20.4748, 0.5640, 0.2996

Monochromacy



Original Color

20.9448, 0.4917, 0.2483



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.8074, 0.3977, 0.2518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9448, 0.4917, 0.2483 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, 127)` looks like.

```
.text, #text, p{  
  color:rgb(245, 0, 127)  
}
```

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, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 127) }
```

Border

The CSS property to change the border of an element to Yxy 20.9448, 0.4917, 0.2483 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, 127) }
```

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

```
.border{ border-color:rgb(245, 0, 127) }
```

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, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 127);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9448, 0.4917, 0.2483 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, 127) }
```

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

```
.background{ background-color: rgb(245, 0,  
127) }
```

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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