

Converting Colors

$Yxy(20.9488, 0.4889, 0.2467)$

Have a look what the booklet for
Yxy(20.9488, 0.4889, 0.2467)
contains.

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Color

Yxy(20.9975, 0.4882, 0.2463)

Conversions

Conversions Part 1

Format	Color
Hex	F50081
RGB	245, 0, 129
RGB Percent	96%, 0%, 51%
CMY	0.0392, 0.9999, 0.4940
CMYK	0.00, 1.00, 0.47, 0.04
HSL	328°, 100%, 48%
HSV	328°, 100%, 96%
XYZ	41.6199, 20.9975, 22.6343
YIQ	87.9610, 104.6110, 92.0590

Conversions

Conversions Part 2

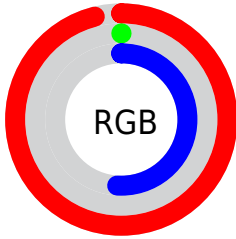
Format	Color
R_{YB}	245, 0, 129
Decimal	16056449
CIE _{Lab}	52.95, 82.50, 0.40
CIE _{LCh}	53, 82.502, 0.276
Yxy	20.9975, 0.4882, 0.2463
Android (android.graphics.Color)	4294246529 (0xFFFF50081)
YUV	87.9610, 20.2322, 137.7232
Hunter-Lab	45.8230, 81.9367, 2.7898

Details

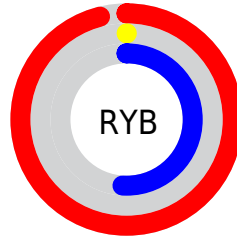
The Yxy color **20.9975, 0.4882, 0.2463** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **66.5668, 0.2757, 0.5126**, and the grayscale version is **9.6923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3728, 0.3996, 0.2467**, and **10.5243, 0.5212, 0.2645** is the 20% darker color. If you saturate the color by 10%, you get **20.9977, 0.4882, 0.2463**, and if you desaturate by 10%, it is **21.9997, 0.4659, 0.2396**.

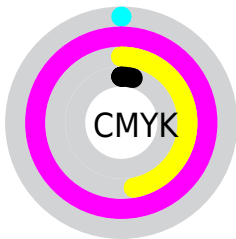
Distribution



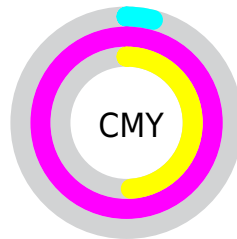
- Red (96%)
- Green (0%)
- Blue (51%)



- Red (96%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (47%)
- Black (4%)



- Cyan (4%)
- Magenta (100%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9975, 0.4882, 0.2463 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 20.9975, 0.4882, 0.2463 by changing the saturation by 10% instead.


 20.9975, 0.4882,
0.2463

 20.9975, 0.4882,
0.2463


257.2652, 0.3908,
0.2923

 13.1222, 0.5156,
0.2333


 45.0834, 0.4505,
0.2641

 7.5127, 0.5523,
0.2159


 62.0627, 0.4370,
0.2705

 3.7848, 0.6037,
0.1915

 82.8455, 0.4259,
0.2757

 1.5539, 0.6787,
0.1558

 107.8162, 0.4166,
0.2801

 0.3262, 0.8373,
0.0812

 137.3591, 0.4087,
0.2839

 0.0000, 1.0000,
0.0000

 171.8586, 0.4019,

 0.0000, 0.0000,

0.2871

0.0000

211.6992, 0.3960,
0.2899

■ 20.9975, 0.4882,
0.2463

■ 20.9975, 0.4882,
0.2463

■ 20.9977, 0.4882,
0.2463

■ 21.9997, 0.4659,
0.2396

■ 23.8859, 0.4427,
0.2379

■ 26.9215, 0.4196,
0.2416

■ 31.2653, 0.3976,
0.2496

■ 37.0510, 0.3777,
0.2608

■ 44.3954, 0.3601,
0.2740

■ 53.4034, 0.3450,
0.2880

■ 64.1705, 0.3323,
0.3022

■ 76.7853, 0.3216,
0.3159

Harmonies

Analogous

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



20.9975, 0.3327, 0.1831



20.9975, 0.4882, 0.2463



20.9975, 0.5823, 0.3215

Triad

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



20.9975, 0.4882, 0.2463



20.9975, 0.3611, 0.5971



20.9975, 0.1001, 0.1641

Complementary

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



20.9975, 0.4882, 0.2463



66.5668, 0.2757, 0.5126

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.



20.9975, 0.1020, 0.2441



20.9975, 0.4882, 0.2463



20.9975, 0.2412, 0.5805

Square

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



20.9975, 0.4882, 0.2463



20.9975, 0.4791, 0.5061



20.9975, 0.1458, 0.4068



20.9975, 0.1317, 0.1380

Rectangle

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



20.9975, 0.4882, 0.2463



20.9975, 0.5829, 0.3757



20.9975, 0.1458, 0.4068



20.9975, 0.0969, 0.1832

Sweetspot

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



20.9987, 0.4882, 0.2463



58.4031, 0.3451, 0.2879



10.1942, 0.1943, 0.0844



11.5607, 0.3512, 0.2819



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.



20.9987, 0.4882, 0.2463



22.9887, 0.4887, 0.2466



19.4313, 0.6376, 0.3286



16.6283, 0.3211, 0.3166



11.3400, 0.4848, 0.2444



1.0175, 0.4586, 0.2300

Inverse Universe

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



20.9987, 0.4882, 0.2463



22.9887, 0.4887, 0.2466



71.4103, 0.2275, 0.3391



16.6283, 0.3211, 0.3166



11.3400, 0.4848, 0.2444



1.0175, 0.4586, 0.2300

Previews

White Background



This preview shows how the Yxy color 20.9975, 0.4882, 0.2463 looks on a white background.

Color Contrast Check

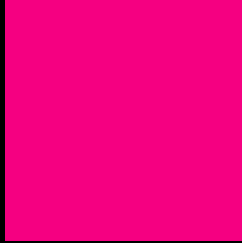
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9975, 0.4882, 0.2463 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 20.9975, 0.4882, 0.2463

Background



This preview shows how black text looks on a background with the Yxy color 20.9975, 0.4882, 0.2463.



This preview shows how white text looks on a background with the Yxy color 20.9975, 0.4882, 0.2463.

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

20.9975, 0.4882, 0.2463

Protanopia

21.6550, 0.2404, 0.2313

Deuteranopia

21.4271, 0.3436, 0.3360



Tritanopia

21.3164, 0.5881, 0.3292

Trichromacy



Original Color

20.9975, 0.4882, 0.2463



Protanomaly

15.7230, 0.3091, 0.2046



Deuteranomaly

16.7026, 0.4045, 0.2665



Tritanomaly

20.4895, 0.5626, 0.2988

Monochromacy



Original Color

20.9975, 0.4882, 0.2463



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.8274, 0.3956, 0.2502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9975, 0.4882, 0.2463 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, 129)` looks like.

```
.text, #text, p{  
  color:rgb(245, 0, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 129) }
```

Border

The CSS property to change the border of an element to Yxy 20.9975, 0.4882, 0.2463 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, 129) }
```

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

```
.border{ border-color:rgb(245, 0, 129) }
```

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, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 129);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9975, 0.4882, 0.2463 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, 129) }
```

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

```
.background{ background-color: rgb(245, 0,  
129) }
```

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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