

Converting Colors

$Y_{xy}(20.9381, 0.4896, 0.2471)$

Have a look what the booklet for
Yxy(20.9381, 0.4896, 0.2471)
contains.

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Color

Yxy(20.9710, 0.4900, 0.2473)

Conversions

Conversions Part 1

Format	Color
Hex	F50080
RGB	245, 0, 128
RGB Percent	96%, 0%, 50%
CMY	0.0392, 0.9997, 0.4981
CMYK	0.00, 1.00, 0.48, 0.04
HSL	329°, 100%, 48%
HSV	329°, 100%, 96%
XYZ	41.5519, 20.9710, 22.2769
YIQ	87.8470, 104.9320, 91.7480

Conversions

Conversions Part 2

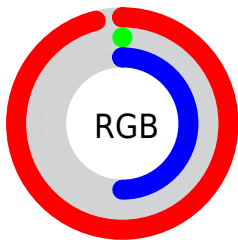
Format	Color
R_{YB}	245, 0, 128
Decimal	16056448
CIE Lab	52.92, 82.42, 0.97
CIE LCh	53, 82.425, 0.677
Yxy	20.9710, 0.4900, 0.2473
Android (android.graphics.Color)	4294246528 (0xFFFF50080)
YUV	87.8470, 19.7954, 137.8232
Hunter-Lab	45.7941, 81.8248, 3.2138

Details

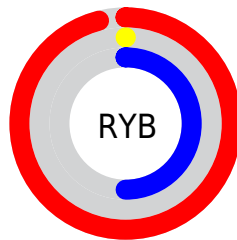
The Yxy color **20.9710, 0.4900, 0.2473** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **66.5911, 0.2753, 0.5111**, and the grayscale version is **9.6723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1456, 0.4011, 0.2468**, and **10.5096, 0.5235, 0.2658** is the 20% darker color. If you saturate the color by 10%, you get **20.9697, 0.4901, 0.2473**, and if you desaturate by 10%, it is **21.9740, 0.4674, 0.2405**.

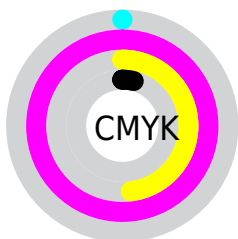
Distribution



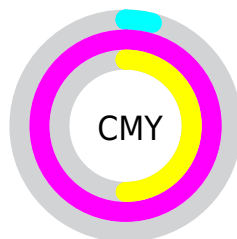
- Red (96%)
- Green (0%)
- Blue (50%)



- 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 20.9710, 0.4900, 0.2473 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 20.9710, 0.4900, 0.2473 by changing the saturation by 10% instead.


 20.9710, 0.4900,
0.2473


 20.9710, 0.4900,
0.2473


257.1243, 0.3915,
0.2929

 13.1028, 0.5177,
0.2344


 45.0393, 0.4519,
0.2650

 7.4994, 0.5549,
0.2170


 62.0081, 0.4382,
0.2713

 3.7763, 0.6069,
0.1925

 82.7793, 0.4270,
0.2765

 1.5492, 0.6826,
0.1566

 107.7373, 0.4176,
0.2809

 0.3230, 0.8467,
0.0816

 137.2664, 0.4096,
0.2846

 0.0000, 1.0000,
0.0000

 171.7510, 0.4027,

 0.0000, 0.0000,

0.2878

0.0000

211.5755, 0.3967,
0.2905

■ 20.9710, 0.4900,
0.2473

■ 20.9710, 0.4900,
0.2473

■ 20.9697, 0.4901,
0.2473

■ 21.9740, 0.4674,
0.2405

■ 23.8625, 0.4440,
0.2387

■ 26.9012, 0.4206,
0.2423

■ 31.2491, 0.3984,
0.2503

■ 37.0397, 0.3783,
0.2614

■ 44.3899, 0.3605,
0.2744

■ 53.4044, 0.3453,
0.2883

■ 64.1791, 0.3324,
0.3024

■ 76.8022, 0.3216,
0.3161

Harmonies

Analogous

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



20.9710, 0.3347, 0.1839



20.9710, 0.4900, 0.2473



20.9710, 0.5827, 0.3226

Triad

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



20.9710, 0.4900, 0.2473



20.9710, 0.3594, 0.5978



20.9710, 0.1003, 0.1636

Complementary

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



20.9710, 0.4900, 0.2473



66.5911, 0.2753, 0.5111

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.



20.9710, 0.1018, 0.2426



20.9710, 0.4900, 0.2473



20.9710, 0.2397, 0.5789

Square

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



20.9710, 0.4900, 0.2473



20.9710, 0.4776, 0.5075



20.9710, 0.1449, 0.4041



20.9710, 0.1324, 0.1379

Rectangle

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



20.9710, 0.4900, 0.2473



20.9710, 0.5823, 0.3769



20.9710, 0.1449, 0.4041



20.9710, 0.0971, 0.1824

Sweetspot

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



20.9722, 0.4900, 0.2473



58.3859, 0.3454, 0.2882



10.1966, 0.1943, 0.0844



11.5567, 0.3516, 0.2823



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.



20.9722, 0.4900, 0.2473



22.9584, 0.4905, 0.2476



19.4320, 0.6376, 0.3286



16.6271, 0.3212, 0.3167



11.3251, 0.4866, 0.2454



1.0161, 0.4601, 0.2308

Inverse Universe

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



20.9722, 0.4900, 0.2473



22.9584, 0.4905, 0.2476



71.4096, 0.2275, 0.3391



16.6271, 0.3212, 0.3167



11.3251, 0.4866, 0.2454



1.0161, 0.4601, 0.2308

Previews

White Background



This preview shows how the Yxy color 20.9710, 0.4900, 0.2473 looks on a white background.

Color Contrast Check

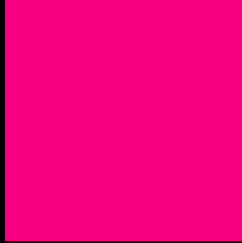
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9710, 0.4900, 0.2473 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 20.9710, 0.4900, 0.2473

Background



This preview shows how black text looks on a background with the Yxy color 20.9710, 0.4900, 0.2473.



This preview shows how white text looks on a background with the Yxy color 20.9710, 0.4900, 0.2473.

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

20.9710, 0.4900, 0.2473

Protanopia

21.6757, 0.2419, 0.2328

Deuteranopia

21.4032, 0.3448, 0.3377



Tritanopia

21.3074, 0.5891, 0.3298

Trichromacy



Original Color

20.9710, 0.4900, 0.2473



Protanomaly

15.6868, 0.3104, 0.2057



Deuteranomaly

16.6777, 0.4062, 0.2678



Tritanomaly

20.4748, 0.5640, 0.2996

Monochromacy



Original Color

20.9710, 0.4900, 0.2473



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 20.9710, 0.4900, 0.2473 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 128) }
```

Border

The CSS property to change the border of an element to Yxy 20.9710, 0.4900, 0.2473 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, 128) }
```

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

```
.border{ border-color:rgb(245, 0, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 128);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9710, 0.4900, 0.2473 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, 128) }
```

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

```
.background{ background-color: rgb(245, 0,  
128) }
```

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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