

Converting Colors

$Y_{xy}(25.2247, 0.3920, 0.1933)$

Have a look what the booklet for
Yxy(25.2247, 0.3920, 0.1933)
contains.

Yxy(25.2455, 0.3913, 0.1929)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

Yxy(25.2455, 0.3913, 0.1929)

Conversions

Conversions Part 1

Format	Color
Hex	FF00C4
RGB	255, 0, 196
RGB Percent	100%, 0%, 77%
CMY	0.0000, 1.0000, 0.2312
CMYK	0.00, 1.00, 0.23, 0.00
HSL	314°, 100%, 50%
HSV	314°, 100%, 100%
XYZ	51.2108, 25.2455, 54.4172
YIQ	98.5890, 89.0640, 115.0160

Conversions

Conversions Part 2

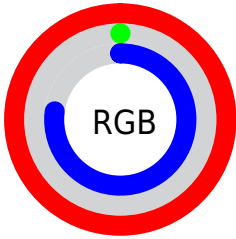
Format	Color
R_{YB}	255, 0, 196
Decimal	16711876
CIE _{Lab}	57.31, 90.85, -32.31
CIE _{LCh}	57, 96.427, 340.421
Yxy	25.2455, 0.3913, 0.1929
Android (android.graphics.Color)	4294901956 (0xFFFF00C4)
YUV	98.5890, 48.0236, 137.1724
Hunter-Lab	50.2449, 94.0029, -29.0420

Details

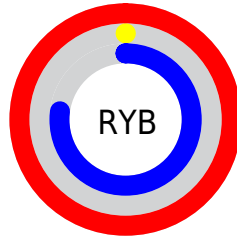
The Yxy color **25.2455, 0.3913, 0.1929** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **71.8354, 0.2937, 0.5772**, and the grayscale version is **12.2305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8546, 0.3211, 0.1907**, and **13.2905, 0.4017, 0.1986** is the 20% darker color. If you saturate the color by 10%, you get **25.2470, 0.3913, 0.1929**, and if you desaturate by 10%, it is **26.2377, 0.3824, 0.1920**.

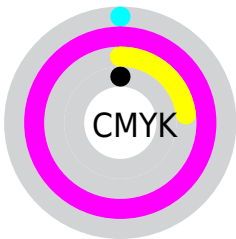
Distribution



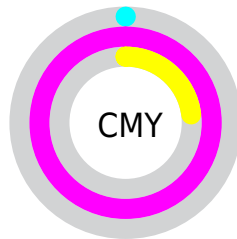
- Red (100%)
- Green (0%)
- Blue (77%)



- Red (100%)
- Yellow (0%)
- Blue (77%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2455, 0.3913, 0.1929 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 25.2455, 0.3913, 0.1929 by changing the saturation by 10% instead.


 25.2455, 0.3913,
0.1929


 25.2455, 0.3913,
0.1929


279.0584, 0.3529,
0.2580


 16.2601, 0.4004,
0.1779


 52.0552, 0.3777,
0.2157


 9.7084, 0.4118,
0.1595


 70.6483, 0.3724,
0.2245


 5.2060, 0.4263,
0.1365


 93.2127, 0.3680,
0.2321

 2.3686, 0.4452,
0.1076

 120.1328, 0.3641,
0.2386

 0.8097, 0.4703,
0.0715

 151.7930, 0.3608,
0.2444

 0.0000, 0.5188,
0.0000

188.5778, 0.3578,

 0.0000, 0.5476,

0.2494

0.0000

230.8714, 0.3552,
0.2539

■ 0.0000, 0.0000,
0.0000

■ 25.2455, 0.3913,
0.1929

■ 25.2455, 0.3913,
0.1929

■ 25.2470, 0.3913,
0.1929

■ 26.2377, 0.3824,
0.1920

■ 28.1731, 0.3732,
0.1955

■ 31.3389, 0.3638,
0.2037

■ 35.9099, 0.3545,
0.2163

■ 42.0327, 0.3456,
0.2322

■ 49.8353, 0.3374,
0.2505

■ 59.4327, 0.3299,
0.2701

■ 70.9293, 0.3233,
0.2902

■ 84.4217, 0.3176,
0.3099

Harmonies

Analogous

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



25.2455, 0.2356, 0.1442



25.2455, 0.3913, 0.1929



25.2455, 0.5517, 0.2641

Triad

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



25.2455, 0.3913, 0.1929



25.2455, 0.4422, 0.5517



25.2455, 0.0849, 0.1974

Complementary

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



25.2455, 0.3913, 0.1929



71.8354, 0.2937, 0.5772

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.



25.2455, 0.1112, 0.3412



25.2455, 0.3913, 0.1929



25.2455, 0.3123, 0.6366

Square

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



25.2455, 0.3913, 0.1929



25.2455, 0.5546, 0.4357



25.2455, 0.1918, 0.5578



25.2455, 0.0953, 0.1386

Rectangle

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



25.2455, 0.3913, 0.1929



25.2455, 0.6048, 0.3157



25.2455, 0.1918, 0.5578



25.2455, 0.0888, 0.2336

Sweetspot

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



25.2470, 0.3913, 0.1929



59.4327, 0.3299, 0.2701



8.0393, 0.1599, 0.0655



11.8066, 0.3330, 0.2617



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.



25.2470, 0.3913, 0.1929



21.7311, 0.5868, 0.3006



18.2243, 0.3174, 0.3109



13.2161, 0.3899, 0.1921



1.3034, 0.3803, 0.1869

Inverse Universe

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



25.2470, 0.3913, 0.1929



74.9285, 0.2516, 0.4257



18.2243, 0.3174, 0.3109



13.2161, 0.3899, 0.1921



1.3034, 0.3803, 0.1869

Previews

White Background



This preview shows how the Yxy color 25.2455, 0.3913, 0.1929 looks on a white background.

Color Contrast Check

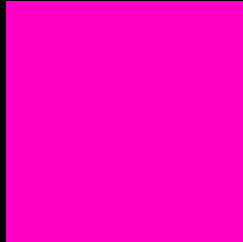
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2455, 0.3913, 0.1929 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 25.2455, 0.3913, 0.1929

Background



This preview shows how black text looks on a background with the Yxy color 25.2455, 0.3913, 0.1929.



This preview shows how white text looks on a background with the Yxy color 25.2455, 0.3913, 0.1929.

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

25.2455, 0.3913, 0.1929

Protanopia

26.1257, 0.1934, 0.1697

Deuteranopia

25.9412, 0.2613, 0.2558



Tritanopia

25.4947, 0.5395, 0.3263

Trichromacy



Original Color

25.2455, 0.3913, 0.1929



Protanomaly

18.3469, 0.2300, 0.1439



Deuteranomaly

19.4459, 0.3020, 0.1961



Tritanomaly

23.7664, 0.4941, 0.2685

Monochromacy



Original Color

25.2455, 0.3913, 0.1929



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

12.3442, 0.3532, 0.2203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2455, 0.3913, 0.1929 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(255, 0, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 196)  
}
```

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(255, 0, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 196) }
```

Border

The CSS property to change the border of an element to Yxy 25.2455, 0.3913, 0.1929 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(255, 0, 196) }
```

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

```
.border{ border-color:rgb(255, 0, 196) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
196) }
```

Background

The CSS property to change the background color of an element to Yxy 25.2455, 0.3913, 0.1929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 196) }
```

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

```
.background{ background-color: rgb(255, 0,  
196) }
```

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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