

Converting Colors

$Y_{xy}(25.5229, 0.3831, 0.1884)$

Have a look what the booklet for
Yxy(25.5229, 0.3831, 0.1884)
contains.

Yxy(25.5243, 0.3830, 0.1884)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.5243, 0.3830, 0.1884)

Conversions

Conversions Part 1

Format	Color
Hex	FF00CA
RGB	255, 0, 202
RGB Percent	100%, 0%, 79%
CMY	0.0002, 0.9983, 0.2079
CMYK	0.00, 1.00, 0.21, 0.00
HSL	312°, 100%, 50%
HSV	312°, 100%, 100%
XYZ	51.8886, 25.5243, 58.0664
YIQ	99.2730, 87.1380, 116.8820

Conversions

Conversions Part 2

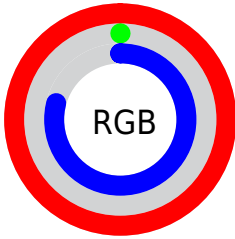
Format	Color
R_{YB}	255, 0, 202
Decimal	16711882
CIE _{Lab}	57.58, 91.48, -35.32
CIE _{LCh}	58, 98.062, 338.888
Yxy	25.5243, 0.3830, 0.1884
Android (android.graphics.Color)	4294901962 (0xFFFF00CA)
YUV	99.2730, 50.6444, 136.5726
Hunter-Lab	50.5216, 94.9170, -32.7792

Details

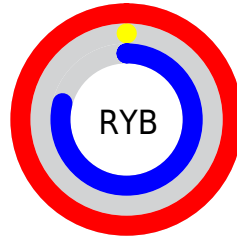
The Yxy color **25.5243, 0.3830, 0.1884** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **71.7566, 0.2947, 0.5810**, and the grayscale version is **12.4685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1805, 0.3192, 0.1900**, and **13.4440, 0.3924, 0.1935** is the 20% darker color. If you saturate the color by 10%, you get **25.5117, 0.3831, 0.1884**, and if you desaturate by 10%, it is **26.5077, 0.3752, 0.1881**.

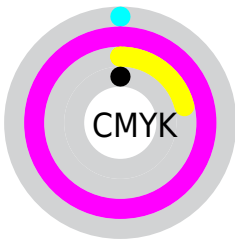
Distribution



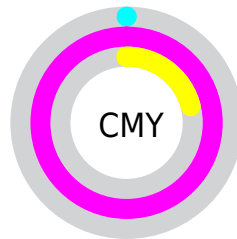
- Red (100%)
- Green (0%)
- Blue (79%)



- Red (100%)
- Yellow (0%)
- Blue (79%)



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.5243, 0.3830, 0.1884 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 25.5243, 0.3830, 0.1884 by changing the saturation by 10% instead.


 25.5243, 0.3830,
0.1884


 25.5243, 0.3830,
0.1884


280.4390, 0.3495,
0.2550

 16.4681, 0.3907,
0.1732


 52.5065, 0.3713,
0.2116


 9.8560, 0.4002,
0.1547


 71.2013, 0.3667,
0.2206


 5.3036, 0.4120,
0.1319


 93.8778, 0.3628,
0.2283

 2.4265, 0.4270,
0.1034

 120.9204, 0.3594,
0.2351

 0.8395, 0.4458,
0.0683

 152.7134, 0.3565,
0.2410

 0.0000, 0.4821,
0.0000

189.6412, 0.3539,

 0.0000, 0.4886,

0.2462

0.0000

232.0883, 0.3515,
0.2508

■ 0.0000, 0.0000,
0.0000

■ 25.5243, 0.3830,
0.1884

■ 25.5243, 0.3830,
0.1884

■ 25.5117, 0.3831,
0.1884

■ 26.5077, 0.3752,
0.1881

■ 28.4418, 0.3671,
0.1920

■ 31.6071, 0.3588,
0.2007

■ 36.1778, 0.3505,
0.2136

■ 42.3001, 0.3426,
0.2300

■ 50.1015, 0.3351,
0.2487

■ 59.6968, 0.3284,
0.2688

■ 71.1901, 0.3224,
0.2894

■ 84.6779, 0.3172,
0.3097

Harmonies

Analogous

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



25.5243, 0.2282, 0.1410



25.5243, 0.3830, 0.1884



25.5243, 0.5481, 0.2592

Triad

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



25.5243, 0.3830, 0.1884



25.5243, 0.4491, 0.5473



25.5243, 0.0835, 0.2007

Complementary

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



25.5243, 0.3830, 0.1884



71.7566, 0.2947, 0.5810

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.



25.5243, 0.1119, 0.3514



25.5243, 0.3830, 0.1884



25.5243, 0.3176, 0.6384

Square

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



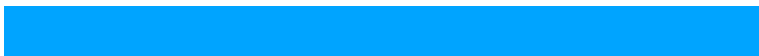
25.5243, 0.3830, 0.1884



25.5243, 0.5609, 0.4299



25.5243, 0.1955, 0.5709



25.5243, 0.0924, 0.1385

Rectangle

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



25.5243, 0.3830, 0.1884



25.5243, 0.6060, 0.3107



25.5243, 0.1955, 0.5709



25.5243, 0.0880, 0.2387

Sweetspot

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



25.5256, 0.3830, 0.1884



59.5369, 0.3285, 0.2685



7.9397, 0.1587, 0.0648



11.8317, 0.3313, 0.2599



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.



25.5256, 0.3830, 0.1884



25.5213, 0.3831, 0.1884



21.7945, 0.5806, 0.2973



18.2318, 0.3170, 0.3104



13.3579, 0.3819, 0.1878



1.3161, 0.3736, 0.1832

Inverse Universe

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



25.5256, 0.3830, 0.1884



25.5213, 0.3831, 0.1884



74.7345, 0.2533, 0.4317



18.2318, 0.3170, 0.3104



13.3579, 0.3819, 0.1878



1.3161, 0.3736, 0.1832

Previews

White Background



This preview shows how the Yxy color 25.5243, 0.3830, 0.1884 looks on a white background.

Color Contrast Check

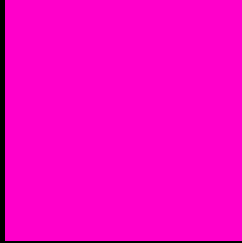
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5243, 0.3830, 0.1884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

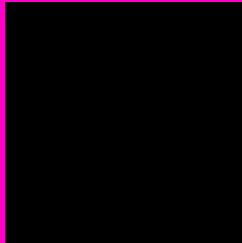
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.5243, 0.3830, 0.1884

Background



This preview shows how black text looks on a background with the Yxy color 25.5243, 0.3830, 0.1884.



This preview shows how white text looks on a background with the Yxy color 25.5243, 0.3830, 0.1884.

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

25.5243, 0.3830, 0.1884

Protanopia

26.4906, 0.1944, 0.1712

Deuteranopia

25.9254, 0.2550, 0.2487



Tritanopia

25.7899, 0.5328, 0.3262

Trichromacy



Original Color

25.5243, 0.3830, 0.1884



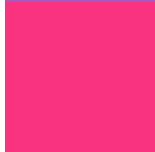
Protanomaly

18.7122, 0.2298, 0.1440



Deuteranomaly

19.4821, 0.2932, 0.1894



Tritanomaly

24.0397, 0.4870, 0.2656

Monochromacy



Original Color

25.5243, 0.3830, 0.1884



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.5409, 0.3481, 0.2176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5243, 0.3830, 0.1884 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 202) }
```

Border

The CSS property to change the border of an element to Yxy 25.5243, 0.3830, 0.1884 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, 202) }
```

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

```
.border{ border-color:rgb(255, 0, 202) }
```

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, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5243, 0.3830, 0.1884 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, 202) }
```

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

```
.background{ background-color: rgb(255, 0,  
202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor