

Converting Colors

$Y_{xy}(24.2256, 0.3877, 0.1910)$

Have a look what the booklet for
Yxy(24.2256, 0.3877, 0.1910)
contains.

Yxy(24.2641, 0.3872, 0.1907)	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(24.2641, 0.3872, 0.1907)

Conversions

Conversions Part 1

Format	Color
Hex	FA00C3
RGB	250, 0, 195
RGB Percent	98%, 0%, 76%
CMY	0.0197, 0.9988, 0.2354
CMYK	0.00, 1.00, 0.22, 0.02
HSL	313°, 100%, 49%
HSV	313°, 100%, 98%
XYZ	49.2662, 24.2641, 53.7067
YIQ	96.9800, 86.4050, 113.6450

Conversions

Conversions Part 2

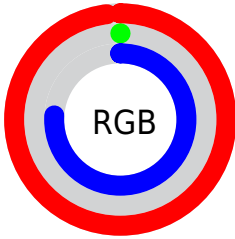
Format	Color
R _Y B	250, 0, 195
Decimal	16384195
CIE _{Lab}	56.35, 89.78, -33.28
CIE _{LCh}	56, 95.753, 339.662
Y _{xy}	24.2641, 0.3872, 0.1907
Android (android.graphics.Color)	4294574275 (0xFFFA00C3)
YUV	96.9800, 48.3239, 134.1985
Hunter-Lab	49.2586, 92.3249, -30.1630

Details

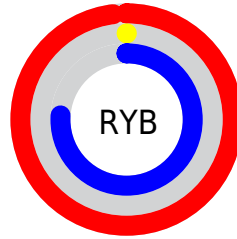
The Yxy color **24.2641, 0.3872, 0.1907** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **68.6360, 0.2941, 0.5788**, and the grayscale version is **11.8569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5956, 0.3220, 0.1908**, and **12.6145, 0.3964, 0.1957** is the 20% darker color. If you saturate the color by 10%, you get **24.2555, 0.3873, 0.1907**, and if you desaturate by 10%, it is **25.2208, 0.3789, 0.1901**.

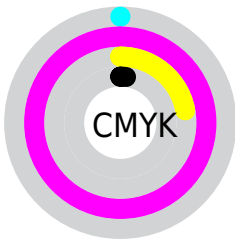
Distribution



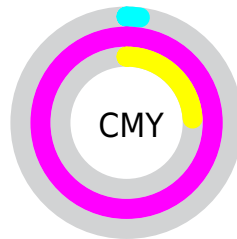
- Red (98%)
- Green (0%)
- Blue (76%)



- Red (98%)
- Yellow (0%)
- Blue (76%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (2%)



- Cyan (2%)
- Magenta (100%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2641, 0.3872, 0.1907 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 24.2641, 0.3872, 0.1907 by changing the saturation by 10% instead.


 24.2641, 0.3872,
0.1907


 24.2641, 0.3872,
0.1907


274.1530, 0.3509,
0.2570

 15.5296, 0.3958,
0.1754


 50.4608, 0.3743,
0.2140

 9.1919, 0.4064,
0.1565


 68.6919, 0.3694,
0.2230


 4.8666, 0.4199,
0.1331


 90.8573, 0.3652,
0.2307

 2.1692, 0.4374,
0.1036

 117.3414, 0.3616,
0.2374

 0.7031, 0.4605,
0.0660

 148.5286, 0.3584,
0.2432

 0.0000, 0.5014,
0.0000

184.8034, 0.3556,

 0.0000, 0.5258,

0.2484

0.0000

226.5500, 0.3531,
0.2529

■ 0.0000, 0.0000,
0.0000

■ 24.2641, 0.3872,
0.1907

■ 24.2641, 0.3872,
0.1907

■ 24.2555, 0.3873,
0.1907

■ 25.2208, 0.3789,
0.1901

■ 27.0827, 0.3702,
0.1939

■ 30.1210, 0.3613,
0.2024

■ 34.5015, 0.3525,
0.2152

■ 40.3635, 0.3441,
0.2313

■ 47.8288, 0.3362,
0.2498

■ 57.0065, 0.3291,
0.2696

■ 67.9962, 0.3229,
0.2899

■ 80.8896, 0.3174,
0.3099

Harmonies

Analogous

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



24.2641, 0.2319, 0.1426



24.2641, 0.3872, 0.1907



24.2641, 0.5499, 0.2617

Triad

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



24.2641, 0.3872, 0.1907



24.2641, 0.4458, 0.5498



24.2641, 0.0842, 0.1990

Complementary

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



24.2641, 0.3872, 0.1907



68.6360, 0.2941, 0.5788

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.



24.2641, 0.1116, 0.3462



24.2641, 0.3872, 0.1907



24.2641, 0.3150, 0.6375

Square

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



24.2641, 0.3872, 0.1907



24.2641, 0.5578, 0.4330



24.2641, 0.1936, 0.5642



24.2641, 0.0939, 0.1386

Rectangle

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



24.2641, 0.3872, 0.1907



24.2641, 0.6054, 0.3133



24.2641, 0.1936, 0.5642



24.2641, 0.0885, 0.2361

Sweetspot

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



24.2654, 0.3872, 0.1907



59.4820, 0.3292, 0.2693



7.7028, 0.1601, 0.0656



11.8185, 0.3322, 0.2609



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.



24.2654, 0.3872, 0.1907



25.3758, 0.3874, 0.1908



20.7816, 0.5862, 0.3004



17.4553, 0.3172, 0.3107



12.8914, 0.3860, 0.1900



1.2096, 0.3766, 0.1848

Inverse Universe

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



24.2654, 0.3872, 0.1907



25.3758, 0.3874, 0.1908



71.6215, 0.2515, 0.4255



17.4553, 0.3172, 0.3107



12.8914, 0.3860, 0.1900



1.2096, 0.3766, 0.1848

Previews

White Background



This preview shows how the Yxy color 24.2641, 0.3872, 0.1907 looks on a white background.

Color Contrast Check

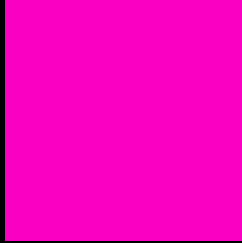
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2641, 0.3872, 0.1907 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 24.2641, 0.3872, 0.1907

Background



This preview shows how black text looks on a background with the Yxy color 24.2641, 0.3872, 0.1907.



This preview shows how white text looks on a background with the Yxy color 24.2641, 0.3872, 0.1907.

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

24.2641, 0.3872, 0.1907

Protanopia

25.3347, 0.1906, 0.1663

Deuteranopia

24.7542, 0.2580, 0.2516



Tritanopia

24.6026, 0.5359, 0.3262

Trichromacy



Original Color

24.2641, 0.3872, 0.1907



Protanomaly

17.6144, 0.2254, 0.1412



Deuteranomaly

18.6309, 0.2983, 0.1930



Tritanomaly

22.8349, 0.4911, 0.2675

Monochromacy



Original Color

24.2641, 0.3872, 0.1907



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

11.9110, 0.3504, 0.2186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2641, 0.3872, 0.1907 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(250, 0, 195)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 195)  
}
```

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(250, 0, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 195) }
```

Border

The CSS property to change the border of an element to Yxy 24.2641, 0.3872, 0.1907 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(250, 0, 195) }
```

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

```
.border{ border-color:rgb(250, 0, 195) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 195);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2641, 0.3872, 0.1907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 195) }
```

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

```
.background{ background-color: rgb(250, 0,  
195) }
```

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