

Converting Colors

$Y_{xy}(24.0958, 0.3748, 0.1838)$

Have a look what the booklet for
Yxy(24.0958, 0.3748, 0.1838)
contains.

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Color

Yxy(24.0384, 0.3742, 0.1835)

Conversions

Conversions Part 1

Format	Color
Hex	F700CA
RGB	247, 0, 202
RGB Percent	97%, 0%, 79%
CMY	0.0314, 1.0000, 0.2078
CMYK	0.00, 1.00, 0.18, 0.03
HSL	311°, 100%, 48%
HSV	311°, 100%, 97%
XYZ	49.0200, 24.0384, 57.9411
YIQ	96.8810, 82.3700, 115.1860

Conversions

Conversions Part 2

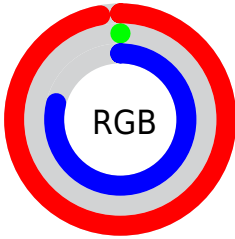
Format	Color
R_{YB}	247, 0, 202
Decimal	16187594
CIE _{Lab}	56.13, 90.08, -37.72
CIE _{LCh}	56, 97.661, 337.282
Yxy	24.0384, 0.3742, 0.1835
Android (android.graphics.Color)	4294377674 (0xFFFF700CA)
YUV	96.8810, 51.8237, 131.6544
Hunter-Lab	49.0290, 92.6666, -35.7470

Details

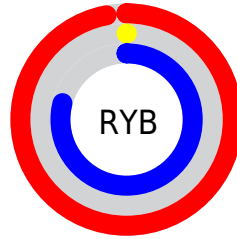
The Yxy color **24.0384, 0.3742, 0.1835** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **66.7124, 0.2958, 0.5850**, and the grayscale version is **11.7810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7874, 0.3193, 0.1887**, and **12.4209, 0.3808, 0.1872** is the 20% darker color. If you saturate the color by 10%, you get **24.0393, 0.3742, 0.1835**, and if you desaturate by 10%, it is **24.9387, 0.3676, 0.1837**.

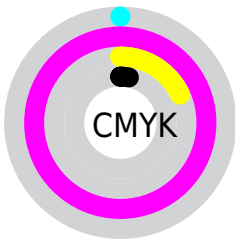
Distribution



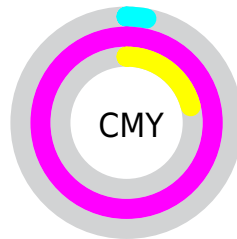
- Red (97%)
- Green (0%)
- Blue (79%)



- Red (97%)
- Yellow (0%)
- Blue (79%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0384, 0.3742, 0.1835 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 24.0384, 0.3742, 0.1835 by changing the saturation by 10% instead.


 24.0384, 0.3742,
0.1835


 24.0384, 0.3742,
0.1835


273.0146, 0.3454,
0.2526


 15.3621, 0.3806,
0.1678


 50.0929, 0.3643,
0.2075


 9.0739, 0.3884,
0.1486


 68.2398, 0.3604,
0.2169

 4.7894, 0.3978,
0.1250


 90.3124, 0.3570,
0.2249

 2.1242, 0.4092,
0.0957

 116.6951, 0.3541,
0.2319

 0.6782, 0.4228,
0.0591

 147.7723, 0.3515,
0.2381

 0.0000, 0.4444,
0.0000

183.9283, 0.3492,

 0.0000, 0.4339,

0.2435

0.0000

225.5476, 0.3472,
0.2483

■ 0.0000, 0.0000,
0.0000

■ 24.0384, 0.3742,
0.1835

■ 24.0384, 0.3742,
0.1835

■ 24.0393, 0.3742,
0.1835

■ 24.9387, 0.3676,
0.1837

■ 26.7094, 0.3607,
0.1881

■ 29.6195, 0.3536,
0.1970

■ 33.8303, 0.3464,
0.2103

■ 39.4771, 0.3394,
0.2270

■ 46.6784, 0.3329,
0.2462

■ 55.5401, 0.3269,
0.2668

■ 66.1589, 0.3215,
0.2879

■ 78.6243, 0.3168,
0.3088

Harmonies

Analogous

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



24.0384, 0.2204, 0.1375



24.0384, 0.3742, 0.1835



24.0384, 0.5444, 0.2538

Triad

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



24.0384, 0.3742, 0.1835



24.0384, 0.4569, 0.5431



24.0384, 0.0818, 0.2041

Complementary

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



24.0384, 0.3742, 0.1835



66.7124, 0.2958, 0.5850

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.



24.0384, 0.1124, 0.3626



24.0384, 0.3742, 0.1835



24.0384, 0.3230, 0.6402

Square

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



24.0384, 0.3742, 0.1835



24.0384, 0.5679, 0.4238



24.0384, 0.1993, 0.5852



24.0384, 0.0892, 0.1384

Rectangle

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



24.0384, 0.3742, 0.1835



24.0384, 0.6075, 0.3053



24.0384, 0.1993, 0.5852



24.0384, 0.0869, 0.2442

Sweetspot

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



24.0397, 0.3742, 0.1835



59.6549, 0.3269, 0.2666



7.1908, 0.1562, 0.0634



11.8602, 0.3294, 0.2578



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.



24.0397, 0.3742, 0.1835



25.8413, 0.3743, 0.1836



20.3892, 0.5686, 0.2906



16.7135, 0.3166, 0.3099



12.7329, 0.3732, 0.1829



1.1323, 0.3654, 0.1787

Inverse Universe

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



24.0397, 0.3742, 0.1835



25.8413, 0.3743, 0.1836



69.2276, 0.2567, 0.4439



16.7135, 0.3166, 0.3099



12.7329, 0.3732, 0.1829



1.1323, 0.3654, 0.1787

Previews

White Background



This preview shows how the Yxy color 24.0384, 0.3742, 0.1835 looks on a white background.

Color Contrast Check

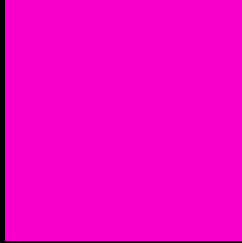
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0384, 0.3742, 0.1835 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 24.0384, 0.3742, 0.1835

Background



This preview shows how black text looks on a background with the Yxy color 24.0384, 0.3742, 0.1835.



This preview shows how white text looks on a background with the Yxy color 24.0384, 0.3742, 0.1835.

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

24.0384, 0.3742, 0.1835

Protanopia

24.9877, 0.1896, 0.1648

Deuteranopia

24.5759, 0.2485, 0.2426



Tritanopia

24.3819, 0.5267, 0.3260

Trichromacy



Original Color

24.0384, 0.3742, 0.1835



Protanomaly

17.4651, 0.2219, 0.1377



Deuteranomaly

18.3914, 0.2851, 0.1839



Tritanomaly

22.6007, 0.4793, 0.2623

Monochromacy



Original Color

24.0384, 0.3742, 0.1835



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

11.8699, 0.3455, 0.2153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0384, 0.3742, 0.1835 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(247, 0, 202)` looks like.

```
.text, #text, p{  
    color:rgb(247, 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(247, 0, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 202) }
```

Border

The CSS property to change the border of an element to Yxy 24.0384, 0.3742, 0.1835 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(247, 0, 202) }
```

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

```
.border{ border-color:rgb(247, 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(247, 0, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 202);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0384, 0.3742, 0.1835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 202) }
```

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

```
.background{ background-color: rgb(247, 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](#).

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