

Converting Colors

$Y_{xy}(24.4100, 0.3600, 0.1761)$

Have a look what the booklet for
Yxy(24.4100, 0.3600, 0.1761)
contains.

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Color

Yxy(24.4331, 0.3599, 0.1761)

Conversions

Conversions Part 1

Format	Color
Hex	F604D4
RGB	246, 4, 212
RGB Percent	96%, 2%, 83%
CMY	0.0353, 0.9843, 0.1686
CMYK	0.00, 0.98, 0.14, 0.04
HSL	308°, 97%, 49%
HSV	308°, 98%, 96%
XYZ	49.9345, 24.4331, 64.3780
YIQ	100.0700, 77.4640, 115.9920

Conversions

Conversions Part 2

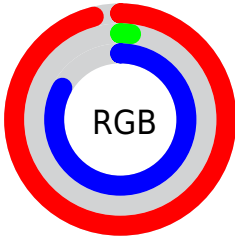
Format	Color
R _Y B	246, 4, 212
Decimal	16123092
CIE Lab	56.52, 90.87, -42.83
CIE LCh	57, 100.458, 334.764
Yxy	24.4331, 0.3599, 0.1761
Android (android.graphics.Color)	4294313172 (0xFFFF604D4)
YUV	100.0700, 55.1815, 127.9806
Hunter-Lab	49.4298, 93.8203, -42.6190

Details

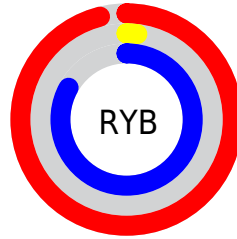
The Yxy color **24.4331, 0.3599, 0.1761** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **66.0790, 0.2971, 0.5886**, and the grayscale version is **12.6068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9827, 0.3193, 0.1894**, and **12.7486, 0.3633, 0.1775** is the 20% darker color. If you saturate the color by 10%, you get **24.3189, 0.3607, 0.1761**, and if you desaturate by 10%, it is **25.3833, 0.3550, 0.1775**.

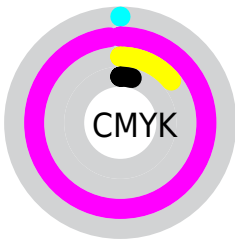
Distribution



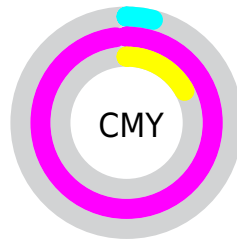
- Red (96%)
- Green (2%)
- Blue (83%)



- Red (96%)
- Yellow (2%)
- Blue (83%)



- Cyan (0%)
- Magenta (98%)
- Yellow (14%)
- Black (4%)





- Cyan (4%)
- Magenta (98%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4331, 0.3599, 0.1761 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 24.4331, 0.3599, 0.1761 by changing the saturation by 10% instead.


 24.4331, 0.3599,
0.1761


 24.4331, 0.3599,
0.1761


275.0028, 0.3393,
0.2476


 15.6552, 0.3640,
0.1602


 50.7360, 0.3532,
0.2007


 9.2805, 0.3687,
0.1409


 69.0299, 0.3504,
0.2104


 4.9246, 0.3738,
0.1175


 91.2645, 0.3480,
0.2187

 2.2031, 0.3789,
0.0890

 117.8242, 0.3459,
0.2260

 0.7217, 0.3830,
0.0548

 149.0936, 0.3439,
0.2324

 0.0000, 0.3884,
0.0000

185.4568, 0.3422,

 0.0000, 0.3589,

0.2380

0.0000

227.2985, 0.3407,
0.2431

■ 0.0000, 0.0000,
0.0000

■ 24.4331, 0.3599,
0.1761

■ 24.4331, 0.3599,
0.1761

■ 24.3189, 0.3607,
0.1761

■ 25.3833, 0.3550,
0.1775

■ 27.2691, 0.3499,
0.1832

■ 30.3094, 0.3444,
0.1935

■ 34.6589, 0.3389,
0.2079

■ 40.4483, 0.3336,
0.2257

■ 47.7925, 0.3284,
0.2459

■ 56.7949, 0.3237,
0.2674

■ 67.5499, 0.3194,
0.2895

■ 80.1448, 0.3155,
0.3113

Harmonies

Analogous

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



24.4331, 0.2084, 0.1324



24.4331, 0.3599, 0.1761



24.4331, 0.5371, 0.2455

Triad

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



24.4331, 0.3599, 0.1761



24.4331, 0.4671, 0.5329



24.4331, 0.0797, 0.2103

Complementary

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



24.4331, 0.3599, 0.1761



66.0790, 0.2971, 0.5886

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.



24.4331, 0.1139, 0.3817



24.4331, 0.3599, 0.1761



24.4331, 0.3318, 0.6408

Square

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



24.4331, 0.3599, 0.1761



24.4331, 0.5783, 0.4139



24.4331, 0.2057, 0.6066



24.4331, 0.0846, 0.1386

Rectangle

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



24.4331, 0.3599, 0.1761



24.4331, 0.6086, 0.2970



24.4331, 0.2057, 0.6066



24.4331, 0.0857, 0.2540

Sweetspot

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



24.4343, 0.3599, 0.1761



59.8472, 0.3244, 0.2637



7.1211, 0.1552, 0.0635



11.9067, 0.3264, 0.2546



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.



24.4343, 0.3599, 0.1761



26.3840, 0.3608, 0.1761



20.4661, 0.5510, 0.2818



16.7259, 0.3159, 0.3089



12.9960, 0.3599, 0.1756



1.1530, 0.3543, 0.1725

Inverse Universe

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



24.4343, 0.3599, 0.1761



26.3840, 0.3608, 0.1761



68.3827, 0.2596, 0.4539



16.7259, 0.3159, 0.3089



12.9960, 0.3599, 0.1756



1.1530, 0.3543, 0.1725

Previews

White Background



This preview shows how the Yxy color 24.4331, 0.3599, 0.1761 looks on a white background.

Color Contrast Check

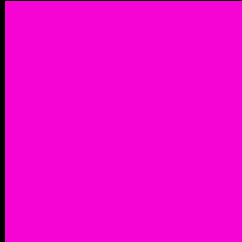
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4331, 0.3599, 0.1761 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 24.4331, 0.3599, 0.1761

Background



This preview shows how black text looks on a background with the Yxy color 24.4331, 0.3599, 0.1761.



This preview shows how white text looks on a background with the Yxy color 24.4331, 0.3599, 0.1761.

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

24.4331, 0.3599, 0.1761

Protanopia

25.2971, 0.1903, 0.1662

Deuteranopia

25.1113, 0.2370, 0.2319



Tritanopia

24.5533, 0.5175, 0.3249

Trichromacy



Original Color

24.4331, 0.3599, 0.1761



Protanomaly

17.9559, 0.2205, 0.1378



Deuteranomaly

18.8127, 0.2701, 0.1759



Tritanomaly

22.6825, 0.4664, 0.2571

Monochromacy



Original Color

24.4331, 0.3599, 0.1761



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.4760, 0.3369, 0.2119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4331, 0.3599, 0.1761 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(246, 4, 212)` looks like.

```
.text, #text, p{  
    color:rgb(246, 4, 212)  
}
```

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(246, 4, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 4, 212) }
```

Border

The CSS property to change the border of an element to Yxy 24.4331, 0.3599, 0.1761 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(246, 4, 212) }
```

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

```
.border{ border-color:rgb(246, 4, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 4, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 4, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 4, 212);  
box-shadow:4px 4px 4px 4px rgb(246, 4,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4331, 0.3599, 0.1761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 4, 212) }
```

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

```
.background{ background-color: rgb(246, 4,  
212) }
```

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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