

Converting Colors

$Y_{xy}(22.9892, 0.3746, 0.1837)$

Have a look what the booklet for
Yxy(22.9892, 0.3746, 0.1837)
contains.

Yxy(22.9545, 0.3740, 0.1834)	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(22.9545, 0.3740, 0.1834)

Conversions

Conversions Part 1

Format	Color
Hex	F200C6
RGB	242, 0, 198
RGB Percent	95%, 0%, 78%
CMY	0.0510, 0.9997, 0.2235
CMYK	0.00, 1.00, 0.18, 0.05
HSL	311°, 100%, 47%
HSV	311°, 100%, 95%
XYZ	46.8102, 22.9545, 55.3962
YIQ	94.9300, 80.6740, 112.8820

Conversions

Conversions Part 2

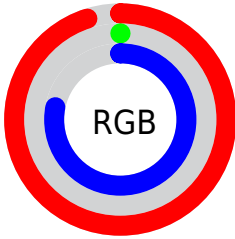
Format	Color
R _Y B	242, 0, 198
Decimal	15859910
CIE Lab	55.03, 88.71, -37.20
CIE LCh	55, 96.196, 337.247
Yxy	22.9545, 0.3740, 0.1834
Android (android.graphics.Color)	4294049990 (0xFFFF200C6)
YUV	94.9300, 50.8135, 128.9804
Hunter-Lab	47.9109, 90.5552, -35.0156

Details

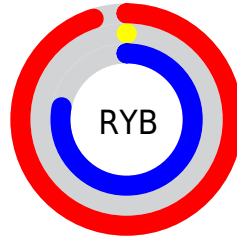
The Yxy color **22.9545, 0.3740, 0.1834** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **63.6832, 0.2958, 0.5849**, and the grayscale version is **11.3006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5943, 0.3193, 0.1880**, and **11.8374, 0.3804, 0.1869** is the 20% darker color. If you saturate the color by 10%, you get **22.9531, 0.3740, 0.1834**, and if you desaturate by 10%, it is **23.8250, 0.3674, 0.1837**.

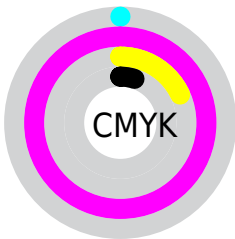
Distribution



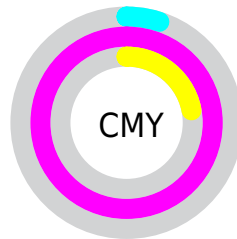
- Red (95%)
- Green (0%)
- Blue (78%)



- Red (95%)
- Yellow (0%)
- Blue (78%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9545, 0.3740, 0.1834 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 22.9545, 0.3740, 0.1834 by changing the saturation by 10% instead.


 22.9545, 0.3740,
0.1834


 22.9545, 0.3740,
0.1834


267.4912, 0.3451,
0.2531


 14.5599, 0.3805,
0.1674


 48.3186, 0.3640,
0.2078

 8.5111, 0.3884,
0.1478


 66.0569, 0.3601,
0.2172


 4.4237, 0.3980,
0.1236


 87.6786, 0.3567,
0.2253

 1.9133, 0.4095,
0.0936

 113.5680, 0.3538,
0.2324

 0.5563, 0.4243,
0.0538

 144.1096, 0.3512,
0.2385

 0.0000, 0.4430,
0.0000

179.6877, 0.3489,

 0.0000, 0.4256,

0.2439

0.0000

220.6868, 0.3469,
0.2488

■ 0.0000, 0.0000,
0.0000

■ 22.9545, 0.3740,
0.1834

■ 22.9545, 0.3740,
0.1834

■ 22.9531, 0.3740,
0.1834

■ 23.8250, 0.3674,
0.1837

■ 25.5256, 0.3605,
0.1881

■ 28.3136, 0.3534,
0.1971

■ 32.3418, 0.3463,
0.2104

■ 37.7389, 0.3393,
0.2271

■ 44.6175, 0.3328,
0.2463

■ 53.0782, 0.3269,
0.2669

■ 63.2131, 0.3215,
0.2880

■ 75.1071, 0.3168,
0.3089

Harmonies

Analogous

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



22.9545, 0.2202, 0.1374



22.9545, 0.3740, 0.1834



22.9545, 0.5443, 0.2537

Triad

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



22.9545, 0.3740, 0.1834



22.9545, 0.4571, 0.5429



22.9545, 0.0818, 0.2042

Complementary

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



22.9545, 0.3740, 0.1834



63.6832, 0.2958, 0.5849

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.



22.9545, 0.1125, 0.3629



22.9545, 0.3740, 0.1834



22.9545, 0.3232, 0.6402

Square

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



22.9545, 0.3740, 0.1834



22.9545, 0.5682, 0.4238



22.9545, 0.1994, 0.5855



22.9545, 0.0892, 0.1384

Rectangle

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



22.9545, 0.3740, 0.1834



22.9545, 0.6075, 0.3052



22.9545, 0.1994, 0.5855



22.9545, 0.0869, 0.2444

Sweetspot

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



22.9557, 0.3740, 0.1834



59.6565, 0.3269, 0.2666



6.8716, 0.1563, 0.0635



11.8606, 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.



22.9557, 0.3740, 0.1834



25.8455, 0.3742, 0.1835



19.4679, 0.5682, 0.2904



15.9792, 0.3166, 0.3099



12.3501, 0.3730, 0.1828



1.0401, 0.3649, 0.1784

Inverse Universe

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



22.9557, 0.3740, 0.1834



25.8455, 0.3742, 0.1835



66.0867, 0.2566, 0.4437



15.9792, 0.3166, 0.3099



12.3501, 0.3730, 0.1828



1.0401, 0.3649, 0.1784

Previews

White Background



This preview shows how the Yxy color 22.9545, 0.3740, 0.1834 looks on a white background.

Color Contrast Check

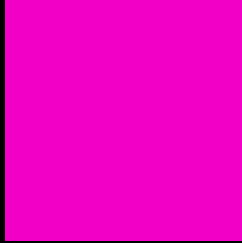
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9545, 0.3740, 0.1834 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 22.9545, 0.3740, 0.1834

Background



This preview shows how black text looks on a background with the Yxy color 22.9545, 0.3740, 0.1834.



This preview shows how white text looks on a background with the Yxy color 22.9545, 0.3740, 0.1834.

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

22.9545, 0.3740, 0.1834

Protanopia

23.8812, 0.1858, 0.1598

Deuteranopia

23.6925, 0.2477, 0.2427



Tritanopia

23.2138, 0.5269, 0.3259

Trichromacy



Original Color

22.9545, 0.3740, 0.1834



Protanomaly

16.4107, 0.2161, 0.1340



Deuteranomaly

17.6354, 0.2845, 0.1847



Tritanomaly

21.5693, 0.4796, 0.2627

Monochromacy



Original Color

22.9545, 0.3740, 0.1834



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

11.1936, 0.3445, 0.2143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9545, 0.3740, 0.1834 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(242, 0, 198)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 198)  
}
```

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(242, 0, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 198) }
```

Border

The CSS property to change the border of an element to Yxy 22.9545, 0.3740, 0.1834 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(242, 0, 198) }
```

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

```
.border{ border-color:rgb(242, 0, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 0, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 198);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9545, 0.3740, 0.1834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 198) }
```

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

```
.background{ background-color: rgb(242, 0,  
198) }
```

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