

Converting Colors

$Y_{xy}(22.6341, 0.3790, 0.1862)$

Have a look what the booklet for
Yxy(22.6341, 0.3790, 0.1862)
contains.

Yxy(22.5958, 0.3784, 0.1858)	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(22.5958, 0.3784, 0.1858)

Conversions

Conversions Part 1

Format	Color
Hex	F100C2
RGB	241, 0, 194
RGB Percent	95%, 0%, 76%
CMY	0.0549, 1.0000, 0.2391
CMYK	0.00, 1.00, 0.19, 0.05
HSL	312°, 100%, 47%
HSV	312°, 100%, 95%
XYZ	46.0186, 22.5958, 52.9992
YIQ	94.1750, 81.3620, 111.4260

Conversions

Conversions Part 2

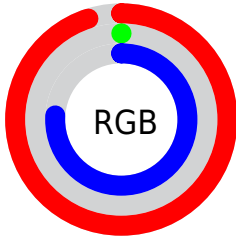
Format	Color
RYB	241, 0, 194
Decimal	15794370
CIELab	54.65, 88.08, -35.51
CIELCh	55, 94.964, 338.042
Yxy	22.5958, 0.3784, 0.1858
Android (android.graphics.Color)	4293984450 (0xFFFF100C2)
YUV	94.1750, 49.2137, 128.7655
Hunter-Lab	47.5350, 89.6192, -32.8309

Details

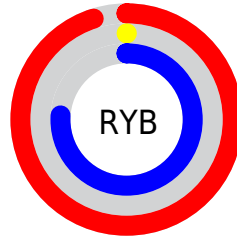
The Yxy color **22.5958, 0.3784, 0.1858** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **63.1198, 0.2953, 0.5830**, and the grayscale version is **11.1056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3394, 0.3230, 0.1908**, and **11.5967, 0.3864, 0.1902** is the 20% darker color. If you saturate the color by 10%, you get **22.5989, 0.3784, 0.1858**, and if you desaturate by 10%, it is **23.4708, 0.3713, 0.1859**.

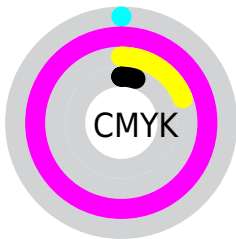
Distribution



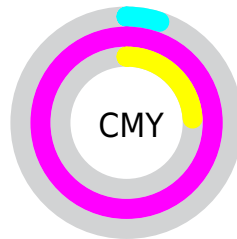
- Red (95%)
- Green (0%)
- Blue (76%)



- Red (95%)
- Yellow (0%)
- Blue (76%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (5%)




- Cyan (5%)
- Magenta (100%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5958, 0.3784, 0.1858 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 22.5958, 0.3784, 0.1858 by changing the saturation by 10% instead.


 22.5958, 0.3784,
0.1858


 22.5958, 0.3784,
0.1858


265.6421, 0.3468,
0.2548

 14.2953, 0.3857,
0.1698


 47.7288, 0.3673,
0.2100

 8.3264, 0.3946,
0.1502


 65.3301, 0.3630,
0.2194


 4.3045, 0.4057,
0.1258


 86.8004, 0.3594,
0.2274

 1.8453, 0.4195,
0.0953

 112.5243, 0.3562,
0.2344

 0.5152, 0.4384,
0.0535

 142.8860, 0.3534,
0.2404

 0.0000, 0.4622,
0.0000

178.2699, 0.3510,

 0.0000, 0.4583,

0.2458

0.0000

219.0605, 0.3488,
0.2505

■ 0.0000, 0.0000,
0.0000

■ 22.5958, 0.3784,
0.1858

■ 22.5958, 0.3784,
0.1858

■ 22.5989, 0.3784,
0.1858

■ 23.4708, 0.3713,
0.1859

■ 25.1650, 0.3638,
0.1900

■ 27.9364, 0.3561,
0.1989

■ 31.9368, 0.3484,
0.2120

■ 37.2935, 0.3410,
0.2285

■ 44.1179, 0.3340,
0.2474

■ 52.5098, 0.3277,
0.2677

■ 62.5604, 0.3220,
0.2885

■ 74.3537, 0.3170,
0.3091

Harmonies

Analogous

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



22.5958, 0.2240, 0.1391



22.5958, 0.3784, 0.1858



22.5958, 0.5462, 0.2564

Triad

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



22.5958, 0.3784, 0.1858



22.5958, 0.4538, 0.5458



22.5958, 0.0826, 0.2024

Complementary

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



22.5958, 0.3784, 0.1858



63.1198, 0.2953, 0.5830

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.



22.5958, 0.1121, 0.3572



22.5958, 0.3784, 0.1858



22.5958, 0.3204, 0.6395

Square

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



22.5958, 0.3784, 0.1858



22.5958, 0.5649, 0.4269



22.5958, 0.1975, 0.5785



22.5958, 0.0907, 0.1384

Rectangle

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



22.5958, 0.3784, 0.1858



22.5958, 0.6069, 0.3079



22.5958, 0.1975, 0.5785



22.5958, 0.0874, 0.2415

Sweetspot

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



22.5989, 0.3784, 0.1858



59.5969, 0.3277, 0.2675



6.8909, 0.1575, 0.0641



11.8462, 0.3303, 0.2588



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.



22.5989, 0.3784, 0.1858



25.6827, 0.3786, 0.1859



19.2283, 0.5744, 0.2938



15.9755, 0.3168, 0.3102



12.2735, 0.3773, 0.1852



1.0344, 0.3685, 0.1803

Inverse Universe

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



22.5989, 0.3784, 0.1858



25.6827, 0.3786, 0.1859



65.6201, 0.2549, 0.4376



15.9755, 0.3168, 0.3102



12.2735, 0.3773, 0.1852



1.0344, 0.3685, 0.1803

Previews

White Background



This preview shows how the Yxy color 22.5958, 0.3784, 0.1858 looks on a white background.

Color Contrast Check

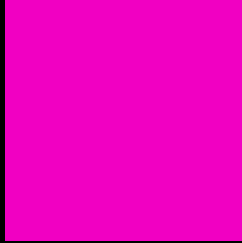
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5958, 0.3784, 0.1858 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 22.5958, 0.3784, 0.1858

Background



This preview shows how black text looks on a background with the Yxy color 22.5958, 0.3784, 0.1858.



This preview shows how white text looks on a background with the Yxy color 22.5958, 0.3784, 0.1858.

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

22.5958, 0.3784, 0.1858

Protanopia

23.5282, 0.1847, 0.1582

Deuteranopia

23.0557, 0.2510, 0.2449



Tritanopia

22.9188, 0.5297, 0.3251

Trichromacy



Original Color

22.5958, 0.3784, 0.1858



Protanomaly

16.0531, 0.2149, 0.1328



Deuteranomaly

17.3088, 0.2886, 0.1874



Tritanomaly

21.1812, 0.4826, 0.2632

Monochromacy



Original Color

22.5958, 0.3784, 0.1858



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

11.0465, 0.3463, 0.2164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5958, 0.3784, 0.1858 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(241, 0, 194)` looks like.

```
.text, #text, p{  
    color:rgb(241, 0, 194)  
}
```

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(241, 0, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 0, 194) }
```

Border

The CSS property to change the border of an element to Yxy 22.5958, 0.3784, 0.1858 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(241, 0, 194) }
```

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

```
.border{ border-color:rgb(241, 0, 194) }
```

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

Here you see how a box with a 4 pixel rgb(241, 0, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 0, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 0, 194);  
box-shadow:4px 4px 4px 4px rgb(241, 0,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5958, 0.3784, 0.1858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 0, 194) }
```

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

```
.background{ background-color: rgb(241, 0,  
194) }
```

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