

Converting Colors

$Y_{xy}(22.8951, 0.3774, 0.1853)$

Have a look what the booklet for
Yxy(22.8951, 0.3774, 0.1853)
contains.

Yxy(22.8628, 0.3768, 0.1849)	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(22.8628, 0.3768, 0.1849)

Conversions

Conversions Part 1

Format	Color
Hex	F200C4
RGB	242, 0, 196
RGB Percent	95%, 0%, 77%
CMY	0.0509, 1.0000, 0.2313
CMYK	0.00, 1.00, 0.19, 0.05
HSL	311°, 100%, 47%
HSV	311°, 100%, 95%
XYZ	46.5911, 22.8628, 54.1956
YIQ	94.7020, 81.3160, 112.2600

Conversions

Conversions Part 2

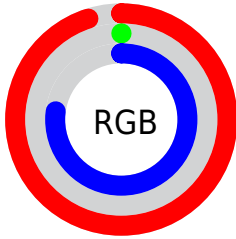
Format	Color
R_{YB}	242, 0, 196
Decimal	15859908
CIE _{Lab}	54.93, 88.50, -36.21
CIE _{LCh}	55, 95.622, 337.750
Yxy	22.8628, 0.3768, 0.1849
Android (android.graphics.Color)	4294049988 (0xFFFF200C4)
YUV	94.7020, 49.9399, 129.1803
Hunter-Lab	47.8151, 90.2546, -33.7312

Details

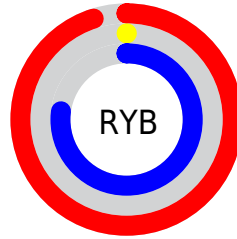
The Yxy color **22.8628, 0.3768, 0.1849** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **63.7190, 0.2955, 0.5837**, and the grayscale version is **11.2359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4662, 0.3212, 0.1894**, and **11.7768, 0.3841, 0.1890** is the 20% darker color. If you saturate the color by 10%, you get **22.8690, 0.3768, 0.1849**, and if you desaturate by 10%, it is **23.7435, 0.3699, 0.1850**.

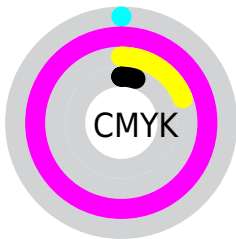
Distribution



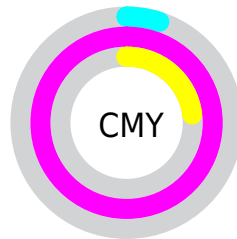
- Red (95%)
- Green (0%)
- Blue (77%)



- Red (95%)
- Yellow (0%)
- Blue (77%)



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





- Cyan (5%)
- Magenta (100%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8628, 0.3768, 0.1849 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 22.8628, 0.3768, 0.1849 by changing the saturation by 10% instead.


 22.8628, 0.3768,
0.1849


 22.8628, 0.3768,
0.1849


267.0195, 0.3462,
0.2541

 14.4922, 0.3838,
0.1690


 48.1679, 0.3661,
0.2091


 8.4638, 0.3923,
0.1494


 65.8713, 0.3620,
0.2185

 4.3931, 0.4028,
0.1252


 87.4544, 0.3584,
0.2266

 1.8958, 0.4157,
0.0950

 113.3016, 0.3553,
0.2336

 0.5459, 0.4328,
0.0544

 143.7973, 0.3526,
0.2397

 0.0000, 0.4551,
0.0000

179.3260, 0.3502,

 0.0000, 0.4457,

0.2450

0.0000

220.2719, 0.3481,
0.2498

■ 0.0000, 0.0000,
0.0000

■ 22.8628, 0.3768,
0.1849

■ 22.8628, 0.3768,
0.1849

■ 22.8690, 0.3768,
0.1849

■ 23.7435, 0.3699,
0.1850

■ 25.4483, 0.3626,
0.1893

■ 28.2407, 0.3551,
0.1982

■ 32.2739, 0.3476,
0.2114

■ 37.6766, 0.3404,
0.2280

■ 44.5614, 0.3336,
0.2470

■ 53.0291, 0.3274,
0.2674

■ 63.1719, 0.3218,
0.2883

■ 75.0747, 0.3169,
0.3090

Harmonies

Analogous

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



22.8628, 0.2226, 0.1385



22.8628, 0.3768, 0.1849



22.8628, 0.5456, 0.2554

Triad

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



22.8628, 0.3768, 0.1849



22.8628, 0.4551, 0.5449



22.8628, 0.0823, 0.2030

Complementary

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



22.8628, 0.3768, 0.1849



63.7190, 0.2955, 0.5837

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.



22.8628, 0.1122, 0.3593



22.8628, 0.3768, 0.1849



22.8628, 0.3214, 0.6398

Square

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



22.8628, 0.3768, 0.1849



22.8628, 0.5662, 0.4258



22.8628, 0.1981, 0.5811



22.8628, 0.0901, 0.1384

Rectangle

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



22.8628, 0.3768, 0.1849



22.8628, 0.6072, 0.3069



22.8628, 0.1981, 0.5811



22.8628, 0.0872, 0.2425

Sweetspot

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



22.8690, 0.3768, 0.1849



59.6187, 0.3274, 0.2672



6.9563, 0.1575, 0.0641



11.8515, 0.3300, 0.2585



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.



22.8690, 0.3768, 0.1849



25.7420, 0.3770, 0.1850



19.4132, 0.5745, 0.2938



15.9769, 0.3167, 0.3101



12.3014, 0.3757, 0.1843



1.0365, 0.3671, 0.1796

Inverse Universe

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



22.8690, 0.3768, 0.1849



25.7420, 0.3770, 0.1850



66.2524, 0.2549, 0.4377



15.9769, 0.3167, 0.3101



12.3014, 0.3757, 0.1843



1.0365, 0.3671, 0.1796

Previews

White Background



This preview shows how the Yxy color 22.8628, 0.3768, 0.1849 looks on a white background.

Color Contrast Check

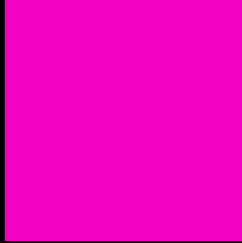
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8628, 0.3768, 0.1849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

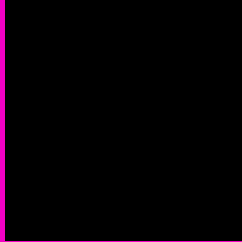
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.8628, 0.3768, 0.1849

Background



This preview shows how black text looks on a background with the Yxy color 22.8628, 0.3768, 0.1849.



This preview shows how white text looks on a background with the Yxy color 22.8628, 0.3768, 0.1849.

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

22.8628, 0.3768, 0.1849

Protanopia

23.8812, 0.1858, 0.1598

Deuteranopia

23.4063, 0.2497, 0.2439



Tritanopia

23.0576, 0.5290, 0.3260

Trichromacy



Original Color

22.8628, 0.3768, 0.1849



Protanomaly

16.4107, 0.2161, 0.1340



Deuteranomaly

17.4987, 0.2877, 0.1860



Tritanomaly

21.4596, 0.4816, 0.2632

Monochromacy



Original Color

22.8628, 0.3768, 0.1849



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 22.8628, 0.3768, 0.1849 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 196) }
```

Border

The CSS property to change the border of an element to Yxy 22.8628, 0.3768, 0.1849 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, 196) }
```

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

```
.border{ border-color:rgb(242, 0, 196) }
```

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, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 196);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8628, 0.3768, 0.1849 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, 196) }
```

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

```
.background{ background-color: rgb(242, 0,  
196) }
```

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