

Converting Colors

$Y_{xy}(23.8530, 0.3762, 0.1913)$

Have a look what the booklet for
Yxy(23.8530, 0.3762, 0.1913)
contains.

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Color

Yxy(23.9051, 0.3771, 0.1917)

Conversions

Conversions Part 1

Format	Color
Hex	F221C3
RGB	242, 33, 195
RGB Percent	95%, 13%, 76%
CMY	0.0508, 0.8711, 0.2353
CMYK	0.00, 0.86, 0.19, 0.05
HSL	313°, 89%, 54%
HSV	313°, 86%, 95%
XYZ	47.0246, 23.9051, 53.7709
YIQ	113.9590, 72.5620, 94.6900

Conversions

Conversions Part 2

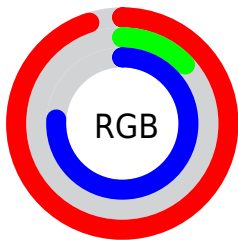
Format	Color
R _Y B	242, 33, 195
Decimal	15868355
CIE Lab	55.99, 85.14, -33.96
CIE LCh	56, 91.666, 338.255
Yxy	23.9051, 0.3771, 0.1917
Android (android.graphics.Color)	4294058435 (0xFFFF221C3)
YUV	113.9590, 39.9532, 112.2920
Hunter-Lab	48.8928, 86.1168, -30.9804

Details

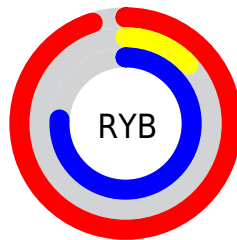
The Yxy color **23.9051, 0.3771, 0.1917** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **64.4307, 0.2904, 0.5531**, and the grayscale version is **16.6560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2256, 0.3217, 0.1963**, and **11.7468, 0.3860, 0.1900** is the 20% darker color. If you saturate the color by 10%, you get **22.7723, 0.3857, 0.1911**, and if you desaturate by 10%, it is **26.0101, 0.3681, 0.1971**.

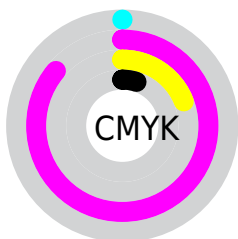
Distribution



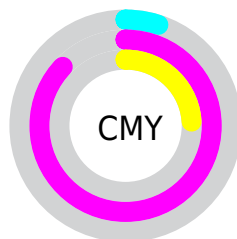
- Red (95%)
- Green (13%)
- Blue (76%)



- Red (95%)
- Yellow (13%)
- Blue (76%)



- Cyan (0%)
- Magenta (86%)
- Yellow (19%)
- Black (5%)





- Cyan (5%)
- Magenta (87%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9051, 0.3771, 0.1917 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 23.9051, 0.3771, 0.1917 by changing the saturation by 10% instead.


 23.9051, 0.3771,
0.1917


 23.9051, 0.3771,
0.1917


272.3403, 0.3461,
0.2578


 15.2632, 0.3843,
0.1763


 49.8753, 0.3662,
0.2149


 9.0043, 0.3932,
0.1574

 67.9724, 0.3620,
0.2239

 4.7440, 0.4043,
0.1338


 89.9901, 0.3584,
0.2316

 2.0979, 0.4183,
0.1040

 116.3127, 0.3553,
0.2383

 0.6634, 0.4365,
0.0654

 147.3246, 0.3525,
0.2441

 0.0000, 0.4674,
0.0000

183.4103, 0.3501,

 0.0000, 0.4685,

0.2492

0.0000

224.9541, 0.3480,
0.2538

■ 0.0000, 0.0000,
0.0000

■ 23.9051, 0.3771,
0.1917

■ 23.9051, 0.3771,
0.1917

■ 22.7723, 0.3857,
0.1911

■ 26.0101, 0.3681,
0.1971


■ 22.4999, 0.3888,
0.1915

■ 29.2626, 0.3590,
0.2071

■ 33.8069, 0.3501,
0.2211

■ 39.7655, 0.3417,
0.2381

■ 47.2463, 0.3340,
0.2571

 56.3469, 0.3271,
0.2770

 67.1566, 0.3210,
0.2971

 79.7582, 0.3157,
0.3168

 94.2292, 0.3112,
0.3356

Harmonies

Analogous

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



23.9051, 0.2291, 0.1456



23.9051, 0.3771, 0.1917



23.9051, 0.5357, 0.2611

Triad

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



23.9051, 0.3771, 0.1917



23.9051, 0.4507, 0.5401



23.9051, 0.0897, 0.2083

Complementary

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



23.9051, 0.3771, 0.1917



64.4307, 0.2904, 0.5531

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.



23.9051, 0.1199, 0.3559



23.9051, 0.3771, 0.1917



23.9051, 0.3242, 0.6253

Square

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



23.9051, 0.3771, 0.1917



23.9051, 0.5567, 0.4290



23.9051, 0.2040, 0.5616



23.9051, 0.0974, 0.1452

Rectangle

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



23.9051, 0.3771, 0.1917



23.9051, 0.5941, 0.3123



23.9051, 0.2040, 0.5616



23.9051, 0.0948, 0.2462

Sweetspot

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



23.9063, 0.3771, 0.1917



63.8230, 0.3269, 0.2777



9.1216, 0.1737, 0.0803



12.8485, 0.3292, 0.2707



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.



23.9063, 0.3771, 0.1917



25.3215, 0.3890, 0.1917



20.7408, 0.5436, 0.2883



15.9670, 0.3172, 0.3109



12.1035, 0.3874, 0.1908



1.0216, 0.3769, 0.1850

Inverse Universe

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



23.9063, 0.3771, 0.1917



25.3215, 0.3890, 0.1917



67.2626, 0.2500, 0.4109



15.9670, 0.3172, 0.3109



12.1035, 0.3874, 0.1908



1.0216, 0.3769, 0.1850

Previews

White Background



This preview shows how the Yxy color 23.9051, 0.3771, 0.1917 looks on a white background.

Color Contrast Check

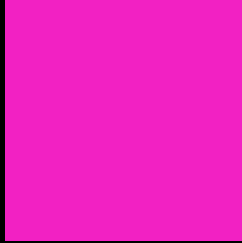
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9051, 0.3771, 0.1917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

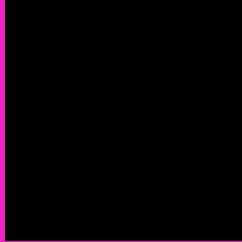
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9051, 0.3771, 0.1917

Background



This preview shows how black text looks on a background with the Yxy color 23.9051, 0.3771, 0.1917.



This preview shows how white text looks on a background with the Yxy color 23.9051, 0.3771, 0.1917.

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

23.9051, 0.3771, 0.1917

Protanopia

24.6108, 0.1883, 0.1631

Deuteranopia

24.1870, 0.2543, 0.2493



Tritanopia

23.8804, 0.5200, 0.3249

Trichromacy



Original Color

23.9051, 0.3771, 0.1917



Protanomaly

18.8134, 0.2222, 0.1492



Deuteranomaly

20.0298, 0.2915, 0.2045



Tritanomaly

22.8942, 0.4718, 0.2691

Monochromacy



Original Color

23.9051, 0.3771, 0.1917



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

15.9009, 0.3428, 0.2388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9051, 0.3771, 0.1917 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, 33, 195)` looks like.

```
.text, #text, p{  
    color:rgb(242, 33, 195)  
}
```

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, 33, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 33, 195) }
```

Border

The CSS property to change the border of an element to Yxy 23.9051, 0.3771, 0.1917 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, 33, 195) }
```

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

```
.border{ border-color:rgb(242, 33, 195) }
```

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

Here you see how a box with a 4 pixel rgb(242, 33, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 33, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 33, 195);  
box-shadow:4px 4px 4px 4px rgb(242, 33,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9051, 0.3771, 0.1917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 33, 195) }
```

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

```
.background{ background-color: rgb(242, 33,  
195) }
```

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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