

Converting Colors

$Yxy(23.3612, 0.3903, 0.1945)$

Have a look what the booklet for
Yxy(23.3612, 0.3903, 0.1945)
contains.

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Color

Yxy(23.3850, 0.3912, 0.1950)

Conversions

Conversions Part 1

Format	Color
Hex	F50FBC
RGB	245, 15, 188
RGB Percent	96%, 6%, 74%
CMY	0.0391, 0.9419, 0.2627
CMYK	0.00, 0.94, 0.23, 0.04
HSL	315°, 92%, 51%
HSV	315°, 94%, 96%
XYZ	46.9139, 23.3850, 49.6242
YIQ	103.4920, 81.5470, 102.5630

Conversions

Conversions Part 2

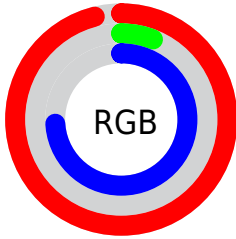
Format	Color
R_{YB}	245, 15, 188
Decimal	16060348
CIE _{Lab}	55.47, 87.10, -30.69
CIE _{LCh}	55, 92.350, 340.587
Yxy	23.3850, 0.3912, 0.1950
Android (android.graphics.Color)	4294250428 (0xFFFF50FBC)
YUV	103.4920, 41.6624, 124.1025
Hunter-Lab	48.3580, 88.5428, -26.9917

Details

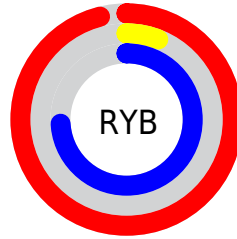
The Yxy color **23.3850, 0.3912, 0.1950** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **65.8914, 0.2909, 0.5635**, and the grayscale version is **13.5432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5531, 0.3285, 0.1972**, and **11.9116, 0.4041, 0.2000** is the 20% darker color. If you saturate the color by 10%, you get **22.8938, 0.3970, 0.1961**, and if you desaturate by 10%, it is **24.7889, 0.3813, 0.1963**.

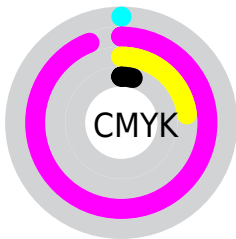
Distribution



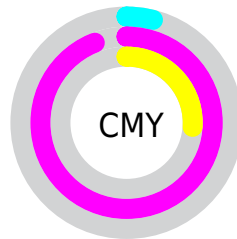
- Red (96%)
- Green (6%)
- Blue (74%)



- Red (96%)
- Yellow (6%)
- Blue (74%)



- Cyan (0%)
- Magenta (94%)
- Yellow (23%)
- Black (4%)





- Cyan (4%)
- Magenta (94%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3850, 0.3912, 0.1950 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 23.3850, 0.3912, 0.1950 by changing the saturation by 10% instead.


 23.3850, 0.3912,
0.1950


 23.3850, 0.3912,
0.1950


269.6963, 0.3522,
0.2601


 14.8780, 0.4007,
0.1797


 49.0247, 0.3772,
0.2180


 8.7338, 0.4126,
0.1607


 66.9263, 0.3719,
0.2269


 4.5680, 0.4280,
0.1369


 88.7282, 0.3673,
0.2345

 1.9961, 0.4483,
0.1065

 114.8148, 0.3635,
0.2410

 0.6052, 0.4771,
0.0655

 145.5705, 0.3601,
0.2467

 0.0000, 0.5252,
0.0000

181.3797, 0.3571,

 0.0000, 0.6024,

0.2517

0.0000

222.6269, 0.3545,
0.2562

■ 0.0000, 0.0000,
0.0000

■ 23.3850, 0.3912,
0.1950

■ 23.3850, 0.3912,
0.1950

■ 22.8938, 0.3970,
0.1961

■ 24.7889, 0.3813,
0.1963

■ 27.2416, 0.3712,
0.2025

■ 30.9172, 0.3610,
0.2132

■ 35.9570, 0.3513,
0.2277

■ 42.4830, 0.3422,
0.2449

■ 50.6036, 0.3339,
0.2637

■ 60.4172, 0.3266,
0.2833

■ 72.0140, 0.3202,
0.3028

■ 85.4780, 0.3147,
0.3217

Harmonies

Analogous

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



23.3850, 0.2375, 0.1464



23.3850, 0.3912, 0.1950



23.3850, 0.5485, 0.2659

Triad

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



23.3850, 0.3912, 0.1950



23.3850, 0.4415, 0.5505



23.3850, 0.0872, 0.1991

Complementary

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



23.3850, 0.3912, 0.1950



65.8914, 0.2909, 0.5635

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.



23.3850, 0.1136, 0.3405



23.3850, 0.3912, 0.1950



23.3850, 0.3132, 0.6318

Square

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



23.3850, 0.3912, 0.1950



23.3850, 0.5521, 0.4368



23.3850, 0.1936, 0.5520



23.3850, 0.0976, 0.1407

Rectangle

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



23.3850, 0.3912, 0.1950



23.3850, 0.6008, 0.3174



23.3850, 0.1936, 0.5520



23.3850, 0.0912, 0.2348

Sweetspot

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



23.3862, 0.3912, 0.1950



61.5079, 0.3295, 0.2752



8.1789, 0.1670, 0.0716



12.1933, 0.3327, 0.2668



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.



23.3862, 0.3912, 0.1950



25.0587, 0.3972, 0.1962



20.2795, 0.5744, 0.2976



16.6940, 0.3176, 0.3114



12.3526, 0.3955, 0.1952



1.1019, 0.3841, 0.1890

Inverse Universe

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



23.3862, 0.3912, 0.1950



25.0587, 0.3972, 0.1962



68.8714, 0.2489, 0.4134



16.6940, 0.3176, 0.3114



12.3526, 0.3955, 0.1952



1.1019, 0.3841, 0.1890

Previews

White Background



This preview shows how the Yxy color 23.3850, 0.3912, 0.1950 looks on a white background.

Color Contrast Check

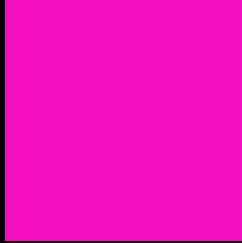
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3850, 0.3912, 0.1950 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 23.3850, 0.3912, 0.1950

Background



This preview shows how black text looks on a background with the Yxy color 23.3850, 0.3912, 0.1950.



This preview shows how white text looks on a background with the Yxy color 23.3850, 0.3912, 0.1950.

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

23.3850, 0.3912, 0.1950

Protanopia

24.2420, 0.1871, 0.1615

Deuteranopia

23.5781, 0.2620, 0.2561



Tritanopia

23.4295, 0.5362, 0.3261

Trichromacy



Original Color

23.3850, 0.3912, 0.1950



Protanomaly

17.4161, 0.2212, 0.1428



Deuteranomaly

18.6555, 0.3025, 0.2034



Tritanomaly

22.2288, 0.4899, 0.2709

Monochromacy



Original Color

23.3850, 0.3912, 0.1950



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

13.1963, 0.3502, 0.2302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3850, 0.3912, 0.1950 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(245, 15, 188)` looks like.

```
.text, #text, p{  
    color:rgb(245, 15, 188)  
}
```

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(245, 15, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 15, 188) }
```

Border

The CSS property to change the border of an element to Yxy 23.3850, 0.3912, 0.1950 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(245, 15, 188) }
```

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

```
.border{ border-color:rgb(245, 15, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 15, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 15, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 15, 188);  
box-shadow:4px 4px 4px 4px rgb(245, 15,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3850, 0.3912, 0.1950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 15, 188) }
```

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

```
.background{ background-color: rgb(245, 15,  
188) }
```

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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