

Converting Colors

$Y_{xy}(23.2467, 0.3734, 0.1834)$

Have a look what the booklet for
Yxy(23.2467, 0.3734, 0.1834)
contains.

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Color

Yxy(23.2433, 0.3737, 0.1836)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | F303C7 |
| RGB | 243, 3, 199 |
| RGB Percent | 95%, 1%, 78% |
| CMY | 0.0470, 0.9887, 0.2195 |
| CMYK | 0.00, 0.99, 0.18, 0.05 |
| HSL | 311°, 98%, 48% |
| HSV | 311°, 99%, 95% |
| XYZ | 47.3095, 23.2433, 56.0447 |
| YIQ | 97.1040, 80.1240, 111.8360 |

Conversions

Conversions Part 2

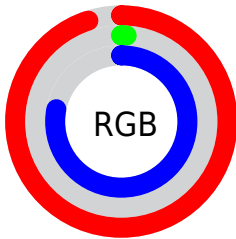
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 243, 3, 199 |
| Decimal | 15926215 |
| CIE Lab | 55.32, 88.83, -37.31 |
| CIE LCh | 55, 96.350, 337.215 |
| Yxy | 23.2433, 0.3737, 0.1836 |
| Android (android.graphics.Color) | 4294116295 (0xFFFF303C7) |
| YUV | 97.1040, 50.2347, 127.9508 |
| Hunter-Lab | 48.2113, 90.7913, -35.1756 |

Details

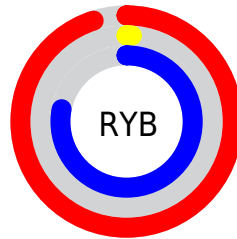
The Yxy color **23.2433, 0.3737, 0.1836** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **64.3316, 0.2955, 0.5832**, and the grayscale version is **11.8245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7874, 0.3193, 0.1887**, and **11.9894, 0.3801, 0.1867** is the 20% darker color. If you saturate the color by 10%, you get **23.1575, 0.3745, 0.1837**, and if you desaturate by 10%, it is **24.1841, 0.3671, 0.1842**.

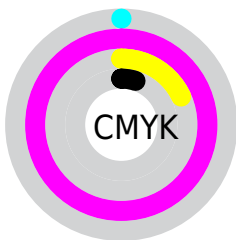
Distribution



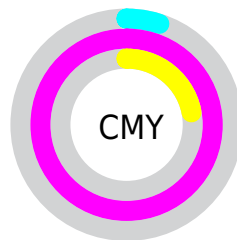
- Red (95%)
- Green (1%)
- Blue (78%)



- Red (95%)
- Yellow (1%)
- Blue (78%)



- Cyan (0%)
- Magenta (99%)
- Yellow (18%)
- Black (5%)




- Cyan (5%)
- Magenta (99%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2433, 0.3737, 0.1836 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 23.2433, 0.3737, 0.1836 by changing the saturation by 10% instead.


 23.2433, 0.3737,
0.1836


 23.2433, 0.3737,
0.1836


268.9722, 0.3450,
0.2531


 14.7733, 0.3801,
0.1677


 48.7925, 0.3638,
0.2079


 8.6604, 0.3879,
0.1482


 66.6405, 0.3599,
0.2173


 4.5204, 0.3974,
0.1242


 88.3832, 0.3565,
0.2254

 1.9687, 0.4088,
0.0944

 114.4051, 0.3536,
0.2324

 0.5892, 0.4231,
0.0555

 145.0906, 0.3511,
0.2385

 0.0000, 0.4424,
0.0000

180.8240, 0.3488,

 0.0000, 0.4264,

0.2439

0.0000

221.9897, 0.3468,
0.2487

■ 0.0000, 0.0000,
0.0000

■ 23.2433, 0.3737,
0.1836

■ 23.2433, 0.3737,
0.1836

■ 23.1575, 0.3745,
0.1837

■ 24.1841, 0.3671,
0.1842

■ 26.0180, 0.3601,
0.1891

■ 28.9693, 0.3529,
0.1986

■ 33.1892, 0.3457,
0.2123

■ 38.8055, 0.3387,
0.2294

■ 45.9304, 0.3322,
0.2487

■ 54.6644, 0.3263,
0.2694

■ 65.0996, 0.3210,
0.2904

■ 77.3212, 0.3163,
0.3113

Harmonies

Analogous

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



23.2433, 0.2203, 0.1377



23.2433, 0.3737, 0.1836



23.2433, 0.5436, 0.2539

Triad

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



23.2433, 0.3737, 0.1836



23.2433, 0.4573, 0.5427



23.2433, 0.0822, 0.2046

Complementary

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



23.2433, 0.3737, 0.1836



64.3316, 0.2955, 0.5832

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.



23.2433, 0.1129, 0.3631



23.2433, 0.3737, 0.1836



23.2433, 0.3235, 0.6395

Square

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



23.2433, 0.3737, 0.1836



23.2433, 0.5679, 0.4237



23.2433, 0.1999, 0.5849



23.2433, 0.0894, 0.1387

Rectangle

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



23.2433, 0.3737, 0.1836



23.2433, 0.6068, 0.3053



23.2433, 0.1999, 0.5849



23.2433, 0.0873, 0.2448

Sweetspot

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



23.2445, 0.3737, 0.1836



59.6503, 0.3270, 0.2667



7.0459, 0.1571, 0.0643



11.8591, 0.3295, 0.2579



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.



23.2445, 0.3737, 0.1836



25.8286, 0.3746, 0.1837



19.7429, 0.5650, 0.2893



16.7132, 0.3166, 0.3099



12.7267, 0.3735, 0.1831



1.1318, 0.3657, 0.1788

Inverse Universe

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



23.2445, 0.3737, 0.1836



25.8286, 0.3746, 0.1837



66.7707, 0.2564, 0.4423



16.7132, 0.3166, 0.3099



12.7267, 0.3735, 0.1831



1.1318, 0.3657, 0.1788

Previews

White Background



This preview shows how the Yxy color 23.2433, 0.3737, 0.1836 looks on a white background.

Color Contrast Check

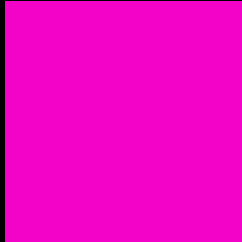
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2433, 0.3737, 0.1836 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 23.2433, 0.3737, 0.1836

Background



This preview shows how black text looks on a background with the Yxy color 23.2433, 0.3737, 0.1836.



This preview shows how white text looks on a background with the Yxy color 23.2433, 0.3737, 0.1836.

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

23.2433, 0.3737, 0.1836

Protanopia

24.2094, 0.1868, 0.1614

Deuteranopia

23.8034, 0.2478, 0.2415



Tritanopia

23.3969, 0.5263, 0.3250

Trichromacy



Original Color

23.2433, 0.3737, 0.1836



Protanomaly

16.9280, 0.2175, 0.1360



Deuteranomaly

17.9400, 0.2847, 0.1853



Tritanomaly

21.8528, 0.4786, 0.2627

Monochromacy



Original Color

23.2433, 0.3737, 0.1836



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

11.7603, 0.3439, 0.2167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2433, 0.3737, 0.1836 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(243, 3, 199)` looks like.

```
.text, #text, p{  
    color:rgb(243, 3, 199)  
}
```

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(243, 3, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 3, 199) }
```

Border

The CSS property to change the border of an element to Yxy 23.2433, 0.3737, 0.1836 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(243, 3, 199) }
```

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

```
.border{ border-color:rgb(243, 3, 199) }
```

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

Here you see how a box with a 4 pixel rgb(243, 3, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 3, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 3, 199);  
box-shadow:4px 4px 4px 4px rgb(243, 3,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2433, 0.3737, 0.1836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 3, 199) }
```

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

```
.background{ background-color: rgb(243, 3,  
199) }
```

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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