

Converting Colors

$Y_{xy}(23.0919, 0.3564, 0.1737)$

Have a look what the booklet for
Yxy(23.0919, 0.3564, 0.1737)
contains.

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Color

Yxy(23.1287, 0.3571, 0.1741)

Conversions

Conversions Part 1

Format	Color
Hex	F000D1
RGB	240, 0, 209
RGB Percent	94%, 0%, 82%
CMY	0.0589, 0.9994, 0.1804
CMYK	0.00, 1.00, 0.13, 0.06
HSL	308°, 100%, 47%
HSV	308°, 100%, 94%
XYZ	47.4397, 23.1287, 62.2788
YIQ	95.5860, 75.9510, 115.8790

Conversions

Conversions Part 2

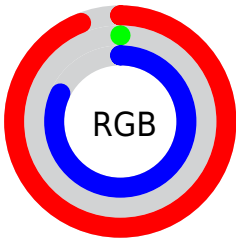
Format	Color
R _Y B	240, 0, 209
Decimal	15728849
CIE Lab	55.20, 89.70, -43.25
CIE LCh	55, 99.584, 334.257
Yxy	23.1287, 0.3571, 0.1741
Android (android.graphics.Color)	4293918929 (0xFFFF00D1)
YUV	95.5860, 55.9131, 126.6511
Hunter-Lab	48.0923, 91.9164, -43.1150

Details

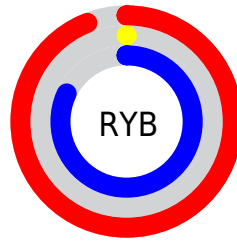
The Yxy color **23.1287, 0.3571, 0.1741** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **62.4145, 0.2976, 0.5915**, and the grayscale version is **11.4645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5943, 0.3193, 0.1880**, and **11.9168, 0.3596, 0.1754** is the 20% darker color. If you saturate the color by 10%, you get **23.1252, 0.3571, 0.1741**, and if you desaturate by 10%, it is **23.9415, 0.3527, 0.1754**.

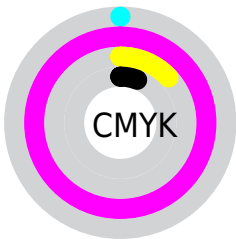
Distribution



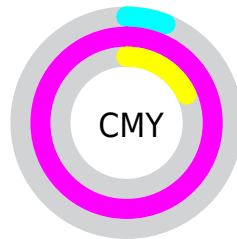
- Red (94%)
- Green (0%)
- Blue (82%)



- Red (94%)
- Yellow (0%)
- Blue (82%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1287, 0.3571, 0.1741 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 23.1287, 0.3571, 0.1741 by changing the saturation by 10% instead.


 23.1287, 0.3571,
0.1741

 23.1287, 0.3571,
0.1741


268.3853, 0.3379,
0.2470


 14.6886, 0.3608,
0.1578


 48.6046, 0.3509,
0.1993


 8.6011, 0.3649,
0.1380


 66.4091, 0.3484,
0.2091


 4.4819, 0.3693,
0.1140


 88.1039, 0.3461,
0.2176

 1.9466, 0.3733,
0.0848

 114.0733, 0.3441,
0.2251

 0.5762, 0.3760,
0.0480

 144.7017, 0.3423,
0.2316

 0.0000, 0.3747,
0.0000

180.3736, 0.3407,

 0.0000, 0.3330,

0.2373

0.0000

221.4734, 0.3392,
0.2424

■ 0.0000, 0.0000,
0.0000

■ 23.1287, 0.3571,
0.1741

■ 23.1287, 0.3571,
0.1741

■ 23.1252, 0.3571,
0.1741

■ 23.9415, 0.3527,
0.1754

■ 25.5669, 0.3480,
0.1805

■ 28.2565, 0.3431,
0.1903

■ 32.1602, 0.3380,
0.2042

■ 37.4037, 0.3330,
0.2217

■ 44.0973, 0.3282,
0.2417

■ 52.3397, 0.3237,
0.2633

■ 62.2208, 0.3196,
0.2856

■ 73.8238, 0.3159,
0.3077

Harmonies

Analogous

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



23.1287, 0.2056, 0.1308



23.1287, 0.3571, 0.1741



23.1287, 0.5365, 0.2435

Triad

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



23.1287, 0.3571, 0.1741



23.1287, 0.4691, 0.5309



23.1287, 0.0786, 0.2111

Complementary

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



23.1287, 0.3571, 0.1741



62.4145, 0.2976, 0.5915

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.



23.1287, 0.1135, 0.3858



23.1287, 0.3571, 0.1741



23.1287, 0.3331, 0.6419

Square

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



23.1287, 0.3571, 0.1741



23.1287, 0.5813, 0.4118



23.1287, 0.2064, 0.6125



23.1287, 0.0832, 0.1380

Rectangle

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



23.1287, 0.3571, 0.1741



23.1287, 0.6099, 0.2949



23.1287, 0.2064, 0.6125



23.1287, 0.0848, 0.2556

Sweetspot

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



23.1299, 0.3571, 0.1741



59.8995, 0.3238, 0.2629



6.5431, 0.1535, 0.0620



11.9194, 0.3256, 0.2537



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.



23.1299, 0.3571, 0.1741



26.5360, 0.3573, 0.1742



19.3013, 0.5484, 0.2795



15.9942, 0.3158, 0.3087



12.6745, 0.3565, 0.1737



1.0641, 0.3511, 0.1708

Inverse Universe

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



23.1299, 0.3571, 0.1741



26.5360, 0.3573, 0.1742



64.4546, 0.2617, 0.4620



15.9942, 0.3158, 0.3087



12.6745, 0.3565, 0.1737



1.0641, 0.3511, 0.1708

Previews

White Background



This preview shows how the Yxy color 23.1287, 0.3571, 0.1741 looks on a white background.

Color Contrast Check

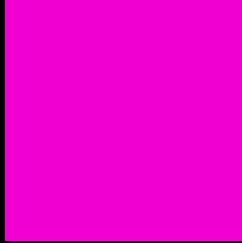
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1287, 0.3571, 0.1741 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 23.1287, 0.3571, 0.1741

Background



This preview shows how black text looks on a background with the Yxy color 23.1287, 0.3571, 0.1741.



This preview shows how white text looks on a background with the Yxy color 23.1287, 0.3571, 0.1741.

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

23.1287, 0.3571, 0.1741

Protanopia

24.1774, 0.1865, 0.1613

Deuteranopia

23.8864, 0.2351, 0.2300



Tritanopia

23.3807, 0.5145, 0.3247

Trichromacy



Original Color

23.1287, 0.3571, 0.1741



Protanomaly

16.7952, 0.2143, 0.1326



Deuteranomaly

17.6826, 0.2671, 0.1730



Tritanomaly

21.4183, 0.4640, 0.2553

Monochromacy



Original Color

23.1287, 0.3571, 0.1741



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.4395, 0.3361, 0.2090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1287, 0.3571, 0.1741 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(240, 0, 209)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 209)  
}
```

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(240, 0, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 209) }
```

Border

The CSS property to change the border of an element to Yxy 23.1287, 0.3571, 0.1741 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(240, 0, 209) }
```

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

```
.border{ border-color:rgb(240, 0, 209) }
```

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

Here you see how a box with a 4 pixel rgb(240, 0, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 209);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1287, 0.3571, 0.1741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 209) }
```

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

```
.background{ background-color: rgb(240, 0,  
209) }
```

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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