

Converting Colors

Yxy(23.7846, 0.3399, 0.1646)

Have a look what the booklet for
Yxy(23.7846, 0.3399, 0.1646)
contains.

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Color

Yxy(23.8530, 0.3399, 0.1646)

Conversions

Conversions Part 1

Format	Color
Hex	F000DF
RGB	240, 0, 223
RGB Percent	94%, 0%, 87%
CMY	0.0588, 1.0000, 0.1256
CMYK	0.00, 1.00, 0.07, 0.06
HSL	304°, 100%, 47%
HSV	304°, 100%, 94%
XYZ	49.2566, 23.8530, 71.8054
YIQ	97.1820, 71.4570, 120.2330

Conversions

Conversions Part 2

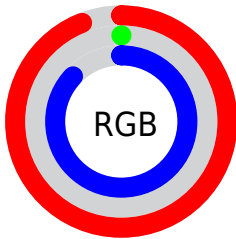
Format	Color
R _Y B	240, 0, 223
Decimal	15728863
CIE Lab	55.94, 91.53, -50.05
CIE LCh	56, 104.320, 331.329
Yxy	23.8530, 0.3399, 0.1646
Android (android.graphics.Color)	4293918943 (0xFFFF00DF)
YUV	97.1820, 62.0283, 125.2514
Hunter-Lab	48.8395, 94.5551, -52.9823

Details

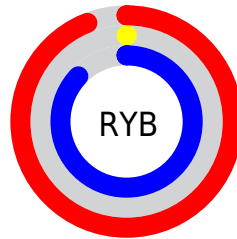
The Yxy color **23.8530, 0.3399, 0.1646** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **62.3716, 0.2990, 0.5965**, and the grayscale version is **11.8336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7874, 0.3193, 0.1887**, and **12.3737, 0.3384, 0.1638** is the 20% darker color. If you saturate the color by 10%, you get **23.8551, 0.3399, 0.1646**, and if you desaturate by 10%, it is **24.6008, 0.3376, 0.1667**.

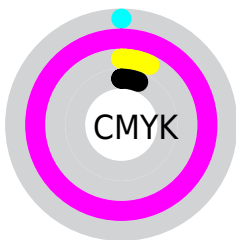
Distribution



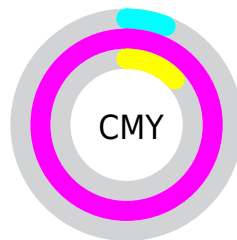
- Red (94%)
- Green (0%)
- Blue (87%)



- Red (94%)
- Yellow (0%)
- Blue (87%)



- Cyan (0%)
- Magenta (100%)
- Yellow (7%)
- Black (6%)




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8530, 0.3399, 0.1646 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 23.8530, 0.3399, 0.1646 by changing the saturation by 10% instead.


 23.8530, 0.3399,
0.1646


 23.8530, 0.3399,
0.1646


272.0765, 0.3306,
0.2403


 15.2246, 0.3409,
0.1481

 49.7902, 0.3375,
0.1904


 8.9772, 0.3415,
0.1285


 67.8678, 0.3363,
0.2006

 4.7263, 0.3411,
0.1050


 89.8640, 0.3352,
0.2094

 2.0876, 0.3384,
0.0772

 116.1630, 0.3341,
0.2172

 0.6576, 0.3312,
0.0444

 147.1494, 0.3331,
0.2240

 0.0000, 0.3167,
0.0000


183.2075, 0.3322,


 0.0000, 0.2671,

0.2301


0.0000


224.7217, 0.3314,
0.2355


 0.0000, 0.0000,
0.0000

 23.8530, 0.3399,
0.1646


 23.8530, 0.3399,
0.1646


 23.8551, 0.3399,
0.1646

 24.6008, 0.3376,
0.1667

 26.1550, 0.3351,
0.1726

 28.7705, 0.3323,
0.1829

 32.5973, 0.3293,
0.1974

 37.7614, 0.3263,
0.2156

■ 44.3732, 0.3232,
0.2365

■ 52.5313, 0.3203,
0.2592

■ 62.3260, 0.3176,
0.2826

■ 73.8403, 0.3150,
0.3061

Harmonies

Analogous

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



23.8530, 0.1911, 0.1240



23.8530, 0.3399, 0.1646



23.8530, 0.5282, 0.2329

Triad

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



23.8530, 0.3399, 0.1646



23.8530, 0.4814, 0.5186



23.8530, 0.0752, 0.2185

Complementary

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



23.8530, 0.3399, 0.1646



62.3716, 0.2990, 0.5965

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.



23.8530, 0.1143, 0.4112



23.8530, 0.3399, 0.1646



23.8530, 0.3432, 0.6429

Square

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



23.8530, 0.3399, 0.1646



23.8530, 0.5948, 0.3995



23.8530, 0.2128, 0.6394



23.8530, 0.0770, 0.1374

Rectangle

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



23.8530, 0.3399, 0.1646



23.8530, 0.6122, 0.2843



23.8530, 0.2128, 0.6394



23.8530, 0.0824, 0.2679

Sweetspot

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



23.8551, 0.3399, 0.1646



60.1753, 0.3203, 0.2589



6.4025, 0.1516, 0.0609



11.9863, 0.3216, 0.2492



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.



23.8551, 0.3399, 0.1646



27.3684, 0.3400, 0.1646



19.5281, 0.5280, 0.2682



16.0109, 0.3149, 0.3074



13.0648, 0.3396, 0.1644



1.0926, 0.3369, 0.1629

Inverse Universe

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



23.8551, 0.3399, 0.1646



27.3684, 0.3400, 0.1646



64.1089, 0.2667, 0.4802



16.0109, 0.3149, 0.3074



13.0648, 0.3396, 0.1644



1.0926, 0.3369, 0.1629

Previews

White Background



This preview shows how the Yxy color 23.8530, 0.3399, 0.1646 looks on a white background.

Color Contrast Check

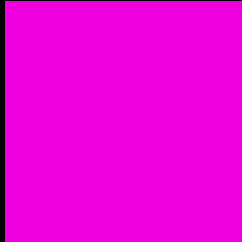
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8530, 0.3399, 0.1646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

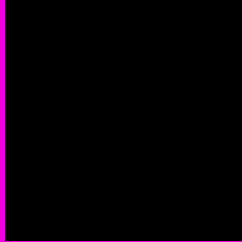
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8530, 0.3399, 0.1646

Background



This preview shows how black text looks on a background with the Yxy color 23.8530, 0.3399, 0.1646.



This preview shows how white text looks on a background with the Yxy color 23.8530, 0.3399, 0.1646.

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

23.8530, 0.3399, 0.1646

Protanopia

24.8808, 0.1886, 0.1644

Deuteranopia

24.4728, 0.2216, 0.2160



Tritanopia

24.1007, 0.5000, 0.3244

Trichromacy



Original Color

23.8530, 0.3399, 0.1646



Protanomaly

17.4788, 0.2143, 0.1319



Deuteranomaly

17.9002, 0.2502, 0.1607



Tritanomaly

21.8776, 0.4467, 0.2479

Monochromacy



Original Color

23.8530, 0.3399, 0.1646



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

11.8180, 0.3280, 0.2032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8530, 0.3399, 0.1646 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 223) }
```

Border

The CSS property to change the border of an element to Yxy 23.8530, 0.3399, 0.1646 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, 223) }
```

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

```
.border{ border-color:rgb(240, 0, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 223);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8530, 0.3399, 0.1646 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, 223) }
```

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

```
.background{ background-color: rgb(240, 0,  
223) }
```

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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