

Converting Colors

$Y_{xy}(24.2331, 0.3305, 0.1595)$

Have a look what the booklet for
Yxy(24.2331, 0.3305, 0.1595)
contains.

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Color

Yxy(24.3165, 0.3307, 0.1596)

Conversions

Conversions Part 1

Format	Color
Hex	F001E7
RGB	240, 1, 231
RGB Percent	94%, 0%, 91%
CMY	0.0586, 0.9977, 0.0940
CMYK	0.00, 1.00, 0.04, 0.06
HSL	302°, 100%, 47%
HSV	302°, 100%, 94%
XYZ	50.3851, 24.3165, 77.6574
YIQ	98.6810, 68.6140, 122.1980

Conversions

Conversions Part 2

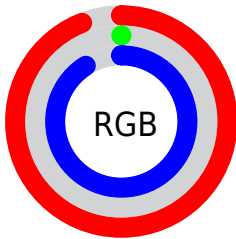
Format	Color
R _Y B	240, 1, 231
Decimal	15729127
CIE _{Lab}	56.40, 92.58, -53.86
CIE _{LCh}	56, 107.104, 329.811
Y _{xy}	24.3165, 0.3307, 0.1596
Android (android.graphics.Color)	4293919207 (0xFFFF001E7)
YUV	98.6810, 65.2333, 123.9368
Hunter-Lab	49.3118, 96.0898, -58.8531

Details

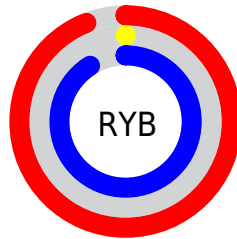
The Yxy color **24.3165, 0.3307, 0.1596** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **62.3750, 0.2995, 0.5982**, and the grayscale version is **12.1534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9827, 0.3193, 0.1894**, and **12.6789, 0.3266, 0.1573** is the 20% darker color. If you saturate the color by 10%, you get **24.3039, 0.3307, 0.1596**, and if you desaturate by 10%, it is **25.0339, 0.3295, 0.1622**.

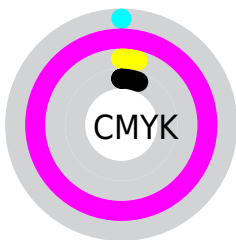
Distribution



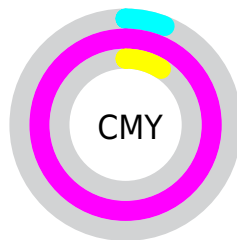
- Red (94%)
- Green (0%)
- Blue (91%)



- Red (94%)
- Yellow (0%)
- Blue (91%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3165, 0.3307, 0.1596 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 24.3165, 0.3307, 0.1596 by changing the saturation by 10% instead.


 24.3165, 0.3307,
0.1596


 24.3165, 0.3307,
0.1596


274.4167, 0.3265,
0.2367


 15.5686, 0.3304,
0.1431


 50.5462, 0.3302,
0.1856

 9.2194, 0.3292,
0.1236


 68.7967, 0.3298,
0.1960


 4.8846, 0.3265,
0.1005


 90.9836, 0.3292,
0.2050

 2.1797, 0.3209,
0.0734

 117.4912, 0.3287,
0.2129

 0.7089, 0.3096,
0.0427

 148.7039, 0.3281,
0.2199

 0.0000, 0.2900,
0.0000

185.0062, 0.3276,

 0.0000, 0.2380,

0.2261

0.0000

226.7823, 0.3270,
0.2317

■ 0.0000, 0.0000,
0.0000

■ 24.3165, 0.3307,
0.1596

■ 24.3165, 0.3307,
0.1596

■ 24.3039, 0.3307,
0.1596

■ 25.0339, 0.3295,
0.1622

■ 26.5702, 0.3280,
0.1685

■ 29.1715, 0.3264,
0.1792

■ 32.9870, 0.3245,
0.1941

■ 38.1425, 0.3225,
0.2127

■ 44.7479, 0.3204,
0.2342

■ 52.9017, 0.3183,
0.2575

■ 62.6940, 0.3163,
0.2817

■ 74.2078, 0.3144,
0.3059

Harmonies

Analogous

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



24.3165, 0.1836, 0.1204



24.3165, 0.3307, 0.1596



24.3165, 0.5233, 0.2272

Triad

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



24.3165, 0.3307, 0.1596



24.3165, 0.4882, 0.5118



24.3165, 0.0733, 0.2227

Complementary

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



24.3165, 0.3307, 0.1596



62.3750, 0.2995, 0.5982

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.



24.3165, 0.1147, 0.4257



24.3165, 0.3307, 0.1596



24.3165, 0.3488, 0.6432

Square

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



24.3165, 0.3307, 0.1596



24.3165, 0.6019, 0.3928



24.3165, 0.2160, 0.6532



24.3165, 0.0739, 0.1372

Rectangle

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



24.3165, 0.3307, 0.1596



24.3165, 0.6131, 0.2786



24.3165, 0.2160, 0.6532



24.3165, 0.0811, 0.2750

Sweetspot

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



24.3177, 0.3307, 0.1596



60.3358, 0.3184, 0.2567



6.3621, 0.1508, 0.0605



12.0254, 0.3193, 0.2467



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.



24.3177, 0.3307, 0.1596



27.8763, 0.3308, 0.1596



19.7240, 0.5132, 0.2602



16.0205, 0.3144, 0.3066



13.3026, 0.3306, 0.1595



1.1098, 0.3292, 0.1587

Inverse Universe

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



24.3177, 0.3307, 0.1596



27.8763, 0.3308, 0.1596



63.9203, 0.2699, 0.4916



16.0205, 0.3144, 0.3066



13.3026, 0.3306, 0.1595



1.1098, 0.3292, 0.1587

Previews

White Background



This preview shows how the Yxy color 24.3165, 0.3307, 0.1596 looks on a white background.

Color Contrast Check

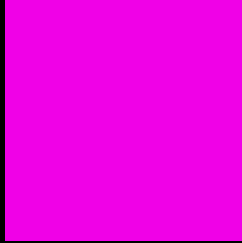
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3165, 0.3307, 0.1596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

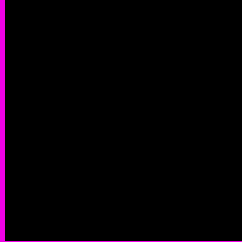
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3165, 0.3307, 0.1596

Background



This preview shows how black text looks on a background with the Yxy color 24.3165, 0.3307, 0.1596.



This preview shows how white text looks on a background with the Yxy color 24.3165, 0.3307, 0.1596.

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

24.3165, 0.3307, 0.1596

Protanopia

25.2603, 0.1899, 0.1661

Deuteranopia

25.1252, 0.2148, 0.2093



Tritanopia

24.5140, 0.4912, 0.3232

Trichromacy



Original Color

24.3165, 0.3307, 0.1596



Protanomaly

17.9761, 0.2145, 0.1319



Deuteranomaly

18.1101, 0.2406, 0.1541



Tritanomaly

22.0904, 0.4352, 0.2424

Monochromacy



Original Color

24.3165, 0.3307, 0.1596



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

12.1144, 0.3249, 0.2014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3165, 0.3307, 0.1596 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, 1, 231)` looks like.

```
.text, #text, p{  
    color:rgb(240, 1, 231)  
}
```

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, 1, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 1, 231) }
```

Border

The CSS property to change the border of an element to Yxy 24.3165, 0.3307, 0.1596 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, 1, 231) }
```

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

```
.border{ border-color:rgb(240, 1, 231) }
```

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

Here you see how a box with a 4 pixel rgb(240, 1, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 1, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 1, 231);  
box-shadow:4px 4px 4px 4px rgb(240, 1,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3165, 0.3307, 0.1596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 1, 231) }
```

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

```
.background{ background-color: rgb(240, 1,  
231) }
```

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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