

Converting Colors

$Y_{xy}(24.2823, 0.3298, 0.1590)$

Have a look what the booklet for
Yxy(24.2823, 0.3298, 0.1590)
contains.

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Color

Yxy(24.3515, 0.3296, 0.1589)

Conversions

Conversions Part 1

Format	Color
Hex	F000E8
RGB	240, 0, 232
RGB Percent	94%, 0%, 91%
CMY	0.0587, 1.0000, 0.0902
CMYK	0.00, 1.00, 0.03, 0.06
HSL	302°, 100%, 47%
HSV	302°, 100%, 94%
XYZ	50.5114, 24.3515, 78.3876
YIQ	98.2080, 68.5680, 123.0320

Conversions

Conversions Part 2

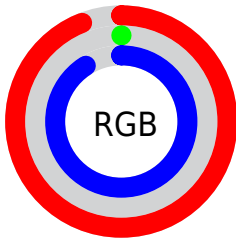
Format	Color
R _Y B	240, 0, 232
Decimal	15728872
CIE Lab	56.44, 92.77, -54.36
CIE LCh	56, 107.518, 329.631
Yxy	24.3515, 0.3296, 0.1589
Android (android.graphics.Color)	4293918952 (0xFFFF00E8)
YUV	98.2080, 65.9595, 124.3516
Hunter-Lab	49.3472, 96.3532, -59.6385

Details

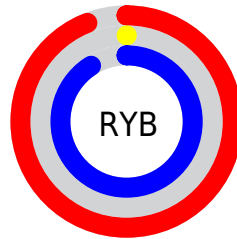
The Yxy color **24.3515, 0.3296, 0.1589** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **62.3615, 0.2996, 0.5985**, and the grayscale version is **12.0920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7874, 0.3193, 0.1887**, and **12.6789, 0.3266, 0.1573** is the 20% darker color. If you saturate the color by 10%, you get **24.3590, 0.3296, 0.1589**, and if you desaturate by 10%, it is **25.0582, 0.3285, 0.1615**.

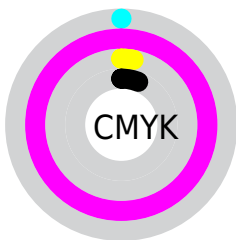
Distribution



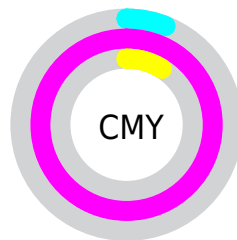
- Red (94%)
- Green (0%)
- Blue (91%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (3%)
- Black (6%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3515, 0.3296, 0.1589 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 24.3515, 0.3296, 0.1589 by changing the saturation by 10% instead.


 24.3515, 0.3296,
0.1589


 24.3515, 0.3296,
0.1589


274.5928, 0.3260,
0.2362


 15.5946, 0.3291,
0.1424


 50.6032, 0.3294,
0.1849

 9.2377, 0.3277,
0.1229


 68.8667, 0.3290,
0.1953


 4.8966, 0.3248,
0.0998


 91.0680, 0.3285,
0.2044

 2.1867, 0.3188,
0.0729

 117.5912, 0.3280,
0.2123

 0.7127, 0.3070,
0.0423

 148.8209, 0.3275,
0.2193

 0.0000, 0.2869,
0.0000

185.1415, 0.3270,

 0.0000, 0.2346,

0.2256

0.0000

226.9373, 0.3265,
0.2311

■ 0.0000, 0.0000,
0.0000

■ 24.3515, 0.3296,
0.1589

■ 24.3515, 0.3296,
0.1589

■ 24.3590, 0.3296,
0.1589

■ 25.0582, 0.3285,
0.1615

■ 26.5653, 0.3272,
0.1678

■ 29.1332, 0.3257,
0.1784

■ 32.9119, 0.3239,
0.1933

■ 38.0276, 0.3221,
0.2118

■ 44.5905, 0.3201,
0.2333

■ 52.6994, 0.3181,
0.2566

■ 62.4443, 0.3162,
0.2809

■ 73.9087, 0.3144,
0.3052

Harmonies

Analogous

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



24.3515, 0.1826, 0.1199



24.3515, 0.3296, 0.1589



24.3515, 0.5229, 0.2264

Triad

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



24.3515, 0.3296, 0.1589



24.3515, 0.4890, 0.5110



24.3515, 0.0730, 0.2231

Complementary

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



24.3515, 0.3296, 0.1589



62.3615, 0.2996, 0.5985

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.



24.3515, 0.1145, 0.4276



24.3515, 0.3296, 0.1589



24.3515, 0.3494, 0.6435

Square

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



24.3515, 0.3296, 0.1589



24.3515, 0.6029, 0.3919



24.3515, 0.2163, 0.6552



24.3515, 0.0734, 0.1370

Rectangle

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



24.3515, 0.3296, 0.1589



24.3515, 0.6135, 0.2779



24.3515, 0.2163, 0.6552



24.3515, 0.0808, 0.2758

Sweetspot

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



24.3590, 0.3296, 0.1589



60.3563, 0.3182, 0.2564



6.3453, 0.1507, 0.0604



12.0304, 0.3190, 0.2463



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.



24.3590, 0.3296, 0.1589



27.9425, 0.3296, 0.1590



19.7026, 0.5138, 0.2604



16.0217, 0.3143, 0.3065



13.3336, 0.3295, 0.1589



1.1121, 0.3282, 0.1582

Inverse Universe

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



24.3590, 0.3296, 0.1589



27.9425, 0.3296, 0.1590



63.9030, 0.2700, 0.4920



16.0217, 0.3143, 0.3065



13.3336, 0.3295, 0.1589



1.1121, 0.3282, 0.1582

Previews

White Background



This preview shows how the Yxy color 24.3515, 0.3296, 0.1589 looks on a white background.

Color Contrast Check

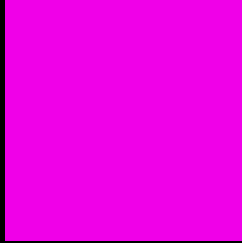
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3515, 0.3296, 0.1589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

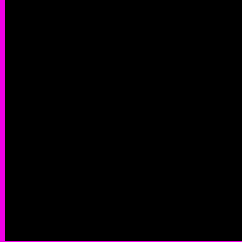
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3515, 0.3296, 0.1589

Background



This preview shows how black text looks on a background with the Yxy color 24.3515, 0.3296, 0.1589.



This preview shows how white text looks on a background with the Yxy color 24.3515, 0.3296, 0.1589.

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

24.3515, 0.3296, 0.1589

Protanopia

25.2603, 0.1899, 0.1661

Deuteranopia

25.1269, 0.2138, 0.2081



Tritanopia

24.5140, 0.4912, 0.3232

Trichromacy



Original Color

24.3515, 0.3296, 0.1589



Protanomaly

18.0377, 0.2140, 0.1313



Deuteranomaly

18.1638, 0.2399, 0.1534



Tritanomaly

22.0904, 0.4352, 0.2424

Monochromacy



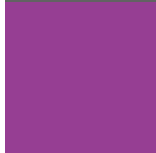
Original Color

24.3515, 0.3296, 0.1589



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

12.0359, 0.3234, 0.1989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3515, 0.3296, 0.1589 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 232) }
```

Border

The CSS property to change the border of an element to Yxy 24.3515, 0.3296, 0.1589 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, 232) }
```

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

```
.border{ border-color:rgb(240, 0, 232) }
```

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, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 232);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3515, 0.3296, 0.1589 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, 232) }
```

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

```
.background{ background-color: rgb(240, 0,  
232) }
```

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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