

Converting Colors

Yxy(24.5858, 0.3238, 0.1557)

Have a look what the booklet for
Yxy(24.5858, 0.3238, 0.1557)
contains.

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Color

Yxy(24.6397, 0.3241, 0.1559)

Conversions

Conversions Part 1

Format	Color
Hex	F000ED
RGB	240, 0, 237
RGB Percent	94%, 0%, 93%
CMY	0.0588, 1.0000, 0.0705
CMYK	0.00, 1.00, 0.01, 0.06
HSL	301°, 100%, 47%
HSV	301°, 100%, 94%
XYZ	51.2234, 24.6397, 82.1850
YIQ	98.7780, 66.9630, 124.5870

Conversions

Conversions Part 2

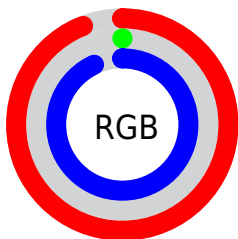
Format	Color
R_{YB}	240, 0, 237
Decimal	15728877
CIE _{Lab}	56.72, 93.43, -56.72
CIE _{LCh}	57, 109.299, 328.742
Yxy	24.6397, 0.3241, 0.1559
Android (android.graphics.Color)	4293918957 (0xFFFF00ED)
YUV	98.7780, 68.1434, 123.8517
Hunter-Lab	49.6384, 97.3325, -63.4181

Details

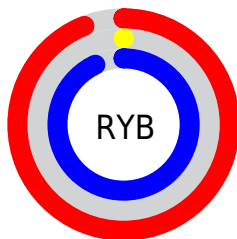
The Yxy color **24.6397, 0.3241, 0.1559** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **62.3298, 0.2998, 0.5994**, and the grayscale version is **12.2329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9827, 0.3193, 0.1894**, and **12.8790, 0.3195, 0.1534** is the 20% darker color. If you saturate the color by 10%, you get **24.6412, 0.3241, 0.1559**, and if you desaturate by 10%, it is **25.3120, 0.3236, 0.1588**.

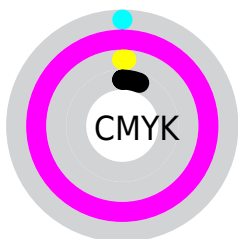
Distribution



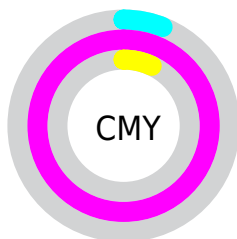
- Red (94%)
- Green (0%)
- Blue (93%)



- Red (94%)
- Yellow (0%)
- Blue (93%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (6%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6397, 0.3241, 0.1559 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 24.6397, 0.3241, 0.1559 by changing the saturation by 10% instead.


 24.6397, 0.3241,
0.1559


 24.6397, 0.3241,
0.1559


276.0388, 0.3236,
0.2339


 15.8088, 0.3228,
0.1394


 51.0721, 0.3250,
0.1821


 9.3890, 0.3205,
0.1200


 69.4424, 0.3250,
0.1925


 4.9958, 0.3163,
0.0972


 91.7613, 0.3249,
0.2017

 2.2448, 0.3087,
0.0707

 118.4133, 0.3247,
0.2097

 0.7442, 0.2949,
0.0412

 149.7826, 0.3244,
0.2168

 0.0000, 0.2724,
0.0000

186.2537, 0.3242,

 0.0000, 0.2191,

0.2232

0.0000

228.2110, 0.3239,
0.2288

■ 0.0000, 0.0000,
0.0000

■ 24.6397, 0.3241,
0.1559

■ 24.6397, 0.3241,
0.1559

■ 24.6412, 0.3241,
0.1559

■ 25.3120, 0.3236,
0.1588

■ 26.7903, 0.3229,
0.1652

■ 29.3288, 0.3221,
0.1760

■ 33.0776, 0.3210,
0.1910

■ 38.1627, 0.3197,
0.2098

■ 44.6942, 0.3184,
0.2315

■ 52.7711, 0.3169,
0.2552

■ 62.4833, 0.3155,
0.2799

■ 73.9140, 0.3141,
0.3047

Harmonies

Analogous

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



24.6397, 0.1782, 0.1177



24.6397, 0.3241, 0.1559



24.6397, 0.5199, 0.2230

Triad

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



24.6397, 0.3241, 0.1559



24.6397, 0.4930, 0.5070



24.6397, 0.0718, 0.2257

Complementary

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



24.6397, 0.3241, 0.1559



62.3298, 0.2998, 0.5994

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.



24.6397, 0.1147, 0.4366



24.6397, 0.3241, 0.1559



24.6397, 0.3528, 0.6437

Square

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



24.6397, 0.3241, 0.1559



24.6397, 0.6073, 0.3879



24.6397, 0.2180, 0.6633



24.6397, 0.0715, 0.1368

Rectangle

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



24.6397, 0.3241, 0.1559



24.6397, 0.6140, 0.2745



24.6397, 0.2180, 0.6633



24.6397, 0.0800, 0.2802

Sweetspot

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



24.6412, 0.3241, 0.1559



60.4588, 0.3169, 0.2550



6.2916, 0.1500, 0.0600



12.0554, 0.3176, 0.2448



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.



24.6412, 0.3241, 0.1559



28.2768, 0.3241, 0.1559



19.8823, 0.4994, 0.2525



16.0278, 0.3140, 0.3060



13.4899, 0.3240, 0.1559



1.1233, 0.3236, 0.1556

Inverse Universe

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



24.6412, 0.3241, 0.1559



28.2768, 0.3241, 0.1559



63.6793, 0.2732, 0.5035



16.0278, 0.3140, 0.3060



13.4899, 0.3240, 0.1559



1.1233, 0.3236, 0.1556

Previews

White Background



This preview shows how the Yxy color 24.6397, 0.3241, 0.1559 looks on a white background.

Color Contrast Check

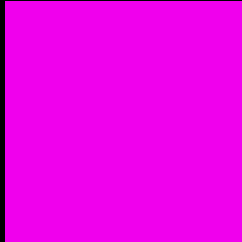
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6397, 0.3241, 0.1559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

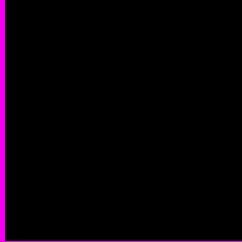
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6397, 0.3241, 0.1559

Background



This preview shows how black text looks on a background with the Yxy color 24.6397, 0.3241, 0.1559.



This preview shows how white text looks on a background with the Yxy color 24.6397, 0.3241, 0.1559.

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

24.6397, 0.3241, 0.1559

Protanopia

25.6098, 0.1909, 0.1676

Deuteranopia

25.4360, 0.2093, 0.2036



Tritanopia

24.7371, 0.4860, 0.3231

Trichromacy



Original Color

24.6397, 0.3241, 0.1559



Protanomaly

18.1798, 0.2143, 0.1311



Deuteranomaly

18.2436, 0.2332, 0.1494



Tritanomaly

22.1208, 0.4290, 0.2395

Monochromacy



Original Color

24.6397, 0.3241, 0.1559



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

12.2090, 0.3204, 0.1978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6397, 0.3241, 0.1559 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 237) }
```

Border

The CSS property to change the border of an element to Yxy 24.6397, 0.3241, 0.1559 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, 237) }
```

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

```
.border{ border-color:rgb(240, 0, 237) }
```

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, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6397, 0.3241, 0.1559 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, 237) }
```

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

```
.background{ background-color: rgb(240, 0,  
237) }
```

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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