

Converting Colors

$Y_{xy}(24.9473, 0.3009, 0.1434)$

Have a look what the booklet for
Yxy(24.9473, 0.3009, 0.1434)
contains.

Yxy(24.9473, 0.3009, 0.1434)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.9473, 0.3009, 0.1434)

Conversions

Conversions Part 1

Format	Color
Hex	EB03FF
RGB	235, 3, 255
RGB Percent	92%, 1%, 100%
CMY	0.0784, 0.9886, 0.0000
CMYK	0.08, 0.99, 0.00, 0.00
HSL	295°, 100%, 51%
HSV	295°, 99%, 100%
XYZ	52.3476, 24.9473, 96.6751
YIQ	101.0960, 57.3800, 127.5560

Conversions

Conversions Part 2

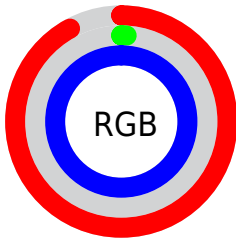
Format	Color
R _Y B	235, 3, 255
Decimal	15401983
CIE _{Lab}	57.02, 95.09, -66.32
CIE _{LCh}	57, 115.934, 325.105
Y _{xy}	24.9473, 0.3009, 0.1434
Android (android.graphics.Color)	4293592063 (0xFFEB03FF)
YUV	101.0960, 75.8747, 117.4338
Hunter-Lab	49.9473, 99.6704, -79.7953

Details

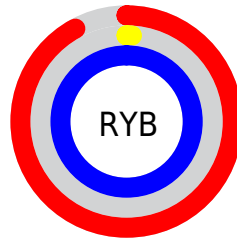
The Yxy color **24.9473, 0.3009, 0.1434** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **71.7075, 0.3014, 0.5983**, and the grayscale version is **12.8178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9827, 0.3193, 0.1894**, and **13.0299, 0.2915, 0.1380** is the 20% darker color. If you saturate the color by 10%, you get **24.8448, 0.3007, 0.1430**, and if you desaturate by 10%, it is **26.0808, 0.3029, 0.1479**.

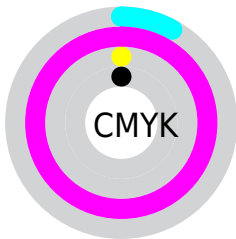
Distribution



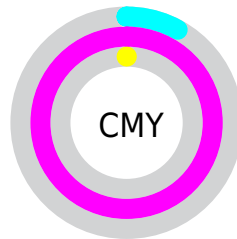
- Red (92%)
- Green (1%)
- Blue (100%)



- Red (92%)
- Yellow (1%)
- Blue (100%)



- Cyan (8%)
- Magenta (99%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (99%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.9473, 0.3009, 0.1434 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 24.9473, 0.3009, 0.1434 by changing the saturation by 10% instead.

 24.9473, 0.3009,
0.1434


 24.9473, 0.3009,
0.1434


277.5754, 0.3128,
0.2249


 16.0378, 0.2966,
0.1268


 51.5717, 0.3063,
0.1702


 9.5509, 0.2904,
0.1076


 70.0554, 0.3081,
0.1811

 5.1022, 0.2815,
0.0855


 92.4993, 0.3094,
0.1907

 2.3074, 0.2680,
0.0608

 119.2878, 0.3104,
0.1991

 0.7776, 0.2472,
0.0344

 150.8052, 0.3112,
0.2067

 0.0000, 0.2164,
0.0000

187.4361, 0.3119,

 0.0000, 0.1617,

0.2134

0.0000

229.5646, 0.3124,
0.2194

■ 0.0000, 0.0000,
0.0000

■ 24.9473, 0.3009,
0.1434

■ 24.9473, 0.3009,
0.1434

■ 24.8448, 0.3007,
0.1430

■ 26.0808, 0.3029,
0.1479

■ 28.2112, 0.3049,
0.1564

■ 31.5870, 0.3067,
0.1694

■ 36.3790, 0.3083,
0.1866

■ 42.7313, 0.3096,
0.2074

■ 50.7700, 0.3107,
0.2309

■ 60.6085, 0.3116,
0.2559

■ 72.3504, 0.3122,
0.2816

■ 86.0913, 0.3125,
0.3071

Harmonies

Analogous

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



24.9473, 0.1600, 0.1089



24.9473, 0.3009, 0.1434



24.9473, 0.5064, 0.2086

Triad

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



24.9473, 0.3009, 0.1434



24.9473, 0.5105, 0.4895



24.9473, 0.0668, 0.2375

Complementary

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



24.9473, 0.3009, 0.1434



71.7075, 0.3014, 0.5983

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.



24.9473, 0.1152, 0.4778



24.9473, 0.3009, 0.1434



24.9473, 0.3634, 0.6366

Square

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



24.9473, 0.3009, 0.1434



24.9473, 0.6257, 0.3709



24.9473, 0.2246, 0.6952



24.9473, 0.0635, 0.1360

Rectangle

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



24.9473, 0.3009, 0.1434



24.9473, 0.6157, 0.2600



24.9473, 0.2246, 0.6952



24.9473, 0.0764, 0.3003

Sweetspot

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



24.9475, 0.3009, 0.1434



59.3878, 0.3115, 0.2530



7.8890, 0.1516, 0.0650



11.7945, 0.3112, 0.2424



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.



24.9475, 0.3009, 0.1434



24.8448, 0.3007, 0.1430



23.5243, 0.4621, 0.2324



18.2228, 0.3125, 0.3055



13.0126, 0.3010, 0.1432



1.2878, 0.3034, 0.1445

Inverse Universe

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



21.3849, 0.6319, 0.3262



21.3113, 0.6337, 0.3264



72.6205, 0.2804, 0.5290



18.0104, 0.3282, 0.3272



11.1438, 0.6317, 0.3254



1.0927, 0.6139, 0.3156

Previews

White Background



This preview shows how the Yxy color 24.9473, 0.3009, 0.1434 looks on a white background.

Color Contrast Check

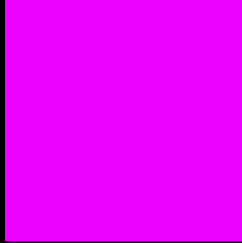
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9473, 0.3009, 0.1434 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 24.9473, 0.3009, 0.1434

Background



This preview shows how black text looks on a background with the Yxy color 24.9473, 0.3009, 0.1434.



This preview shows how white text looks on a background with the Yxy color 24.9473, 0.3009, 0.1434.

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

24.9473, 0.3009, 0.1434

Protanopia

25.6479, 0.1913, 0.1677

Deuteranopia

25.5408, 0.1919, 0.1851



Tritanopia

24.9276, 0.4618, 0.3213

Trichromacy



Original Color

24.9473, 0.3009, 0.1434



Protanomaly

18.7009, 0.2105, 0.1281



Deuteranomaly

17.8980, 0.2078, 0.1334



Tritanomaly

22.2011, 0.4019, 0.2284

Monochromacy



Original Color

24.9473, 0.3009, 0.1434



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

12.6989, 0.3090, 0.1909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9473, 0.3009, 0.1434 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(235, 3, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 3, 255)  
}
```

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(235, 3, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 3, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.9473, 0.3009, 0.1434 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(235, 3, 255) }
```

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

```
.border{ border-color:rgb(235, 3, 255) }
```

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

Here you see how a box with a 4 pixel rgb(235, 3, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 3, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 3, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 3,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9473, 0.3009, 0.1434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 3, 255) }
```

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

```
.background{ background-color: rgb(235, 3,  
255) }
```

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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