

Converting Colors

$Y_{xy}(24.2871, 0.3146, 0.1507)$

Have a look what the booklet for
Yxy(24.2871, 0.3146, 0.1507)
contains.

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Color

Yxy(24.2437, 0.3146, 0.1507)

Conversions

Conversions Part 1

Format	Color
Hex	EC00F2
RGB	236, 0, 242
RGB Percent	93%, 0%, 95%
CMY	0.0746, 0.9988, 0.0510
CMYK	0.02, 1.00, 0.00, 0.05
HSL	299°, 100%, 48%
HSV	299°, 100%, 95%
XYZ	50.6109, 24.2437, 86.0193
YIQ	98.1520, 62.9740, 125.2940

Conversions

Conversions Part 2

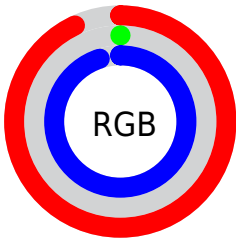
Format	Color
R _Y B	236, 0, 242
Decimal	15466738
CIE Lab	56.33, 93.49, -60.18
CIE LCh	56, 111.187, 327.232
Yxy	24.2437, 0.3146, 0.1507
Android (android.graphics.Color)	4293656818 (0xFFEC00F2)
YUV	98.1520, 70.9171, 120.8927
Hunter-Lab	49.2379, 97.3113, -69.1139

Details

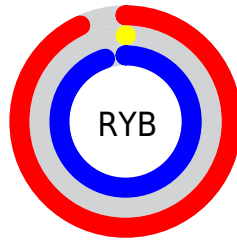
The Yxy color **24.2437, 0.3146, 0.1507** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **63.5483, 0.3004, 0.5996**, and the grayscale version is **12.1067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7874, 0.3193, 0.1887**, and **12.6167, 0.3074, 0.1467** is the 20% darker color. If you saturate the color by 10%, you get **24.2369, 0.3146, 0.1507**, and if you desaturate by 10%, it is **25.0161, 0.3151, 0.1541**.

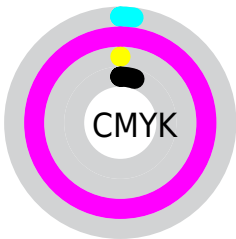
Distribution



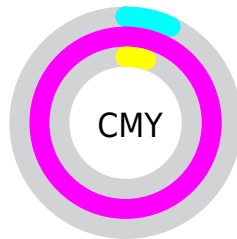
- Red (93%)
- Green (0%)
- Blue (95%)



- Red (93%)
- Yellow (0%)
- Blue (95%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)




- Cyan (7%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2437, 0.3146, 0.1507 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 24.2437, 0.3146, 0.1507 by changing the saturation by 10% instead.


 24.2437, 0.3146,
0.1507


 24.2437, 0.3146,
0.1507


274.0502, 0.3192,
0.2305


 15.5145, 0.3120,
0.1340


 50.4276, 0.3174,
0.1773

 9.1813, 0.3080,
0.1145


 68.6511, 0.3182,
0.1880

 4.8596, 0.3016,
0.0917


 90.8081, 0.3186,
0.1974

 2.1651, 0.2912,
0.0657

 117.2831, 0.3189,
0.2056

 0.7009, 0.2738,
0.0369

 148.4604, 0.3191,
0.2129

 0.0000, 0.2459,
0.0000

184.7244, 0.3192,

 0.0000, 0.1899,

0.2194


0.0000


226.4596, 0.3192,
0.2253

 0.0000, 0.0000,
0.0000

 24.2437, 0.3146,
0.1507

 24.2437, 0.3146,
0.1507


 24.2369, 0.3146,
0.1507

 25.0161, 0.3151,
0.1541

 26.6178, 0.3155,
0.1612

 29.3027, 0.3157,
0.1726

 33.2236, 0.3157,
0.1883

 38.5089, 0.3156,
0.2078

■ 45.2709, 0.3152,
0.2301

■ 53.6103, 0.3147,
0.2543

■ 63.6190, 0.3141,
0.2795

■ 75.3817, 0.3134,
0.3047

Harmonies

Analogous

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



24.2437, 0.1706, 0.1140



24.2437, 0.3146, 0.1507



24.2437, 0.5147, 0.2171

Triad

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



24.2437, 0.3146, 0.1507



24.2437, 0.5001, 0.4999



24.2437, 0.0697, 0.2303

Complementary

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



24.2437, 0.3146, 0.1507



63.5483, 0.3004, 0.5996

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.



24.2437, 0.1149, 0.4530



24.2437, 0.3146, 0.1507



24.2437, 0.3577, 0.6423

Square

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



24.2437, 0.3146, 0.1507



24.2437, 0.6150, 0.3810



24.2437, 0.2208, 0.6770



24.2437, 0.0681, 0.1364

Rectangle

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



24.2437, 0.3146, 0.1507



24.2437, 0.6150, 0.2685



24.2437, 0.2208, 0.6770



24.2437, 0.0785, 0.2880

Sweetspot

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



24.2448, 0.3146, 0.1507



60.1595, 0.3147, 0.2538



6.5945, 0.1505, 0.0615



11.9824, 0.3150, 0.2434



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.



24.2448, 0.3146, 0.1507



27.2919, 0.3146, 0.1507



20.4751, 0.4849, 0.2445



16.0101, 0.3134, 0.3057



13.0293, 0.3147, 0.1507



1.0902, 0.3156, 0.1512

Inverse Universe

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



18.8984, 0.6380, 0.3289



21.2740, 0.6383, 0.3290



64.7031, 0.2763, 0.5145



15.7652, 0.3289, 0.3285



10.1511, 0.6374, 0.3285



0.8467, 0.6305, 0.3247

Previews

White Background



This preview shows how the Yxy color 24.2437, 0.3146, 0.1507 looks on a white background.

Color Contrast Check

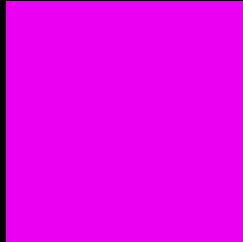
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2437, 0.3146, 0.1507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

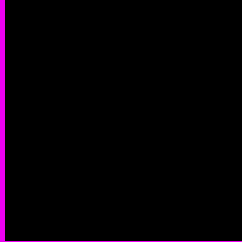
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2437, 0.3146, 0.1507

Background



This preview shows how black text looks on a background with the Yxy color 24.2437, 0.3146, 0.1507.



This preview shows how white text looks on a background with the Yxy color 24.2437, 0.3146, 0.1507.

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

24.2437, 0.3146, 0.1507

Protanopia

24.9515, 0.1893, 0.1646

Deuteranopia

24.8932, 0.2024, 0.1965



Tritanopia

24.3396, 0.4768, 0.3228

Trichromacy



Original Color

24.2437, 0.3146, 0.1507



Protanomaly

17.9099, 0.2110, 0.1282



Deuteranomaly

17.6291, 0.2237, 0.1427



Tritanomaly

21.7732, 0.4191, 0.2358

Monochromacy



Original Color

24.2437, 0.3146, 0.1507



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.9432, 0.3160, 0.1941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2437, 0.3146, 0.1507 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(236, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(236, 0, 242)  
}
```

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(236, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 0, 242) }
```

Border

The CSS property to change the border of an element to Yxy 24.2437, 0.3146, 0.1507 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(236, 0, 242) }
```

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

```
.border{ border-color:rgb(236, 0, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 0, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(236, 0,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2437, 0.3146, 0.1507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 0, 242) }
```

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

```
.background{ background-color: rgb(236, 0,  
242) }
```

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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