

Converting Colors

$Y_{xy}(24.8432, 0.3179, 0.1525)$

Have a look what the booklet for
Yxy(24.8432, 0.3179, 0.1525)
contains.

Yxy(24.7615, 0.3178, 0.1524)	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(24.7615, 0.3178, 0.1524)

Conversions

Conversions Part 1

Format	Color
Hex	EF00F2
RGB	239, 0, 242
RGB Percent	94%, 0%, 95%
CMY	0.0626, 1.0000, 0.0509
CMYK	0.01, 1.00, 0.00, 0.05
HSL	299°, 100%, 47%
HSV	299°, 100%, 95%
XYZ	51.6352, 24.7615, 86.0803
YIQ	99.0490, 64.7620, 125.9300

Conversions

Conversions Part 2

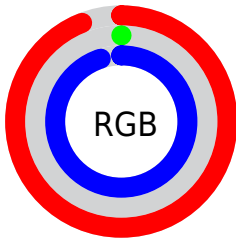
Format	Color
R _Y B	239, 0, 242
Decimal	15663346
CIE Lab	56.84, 94.00, -59.34
CIE LCh	57, 111.168, 327.737
Yxy	24.7615, 0.3178, 0.1524
Android (android.graphics.Color)	4293853426 (0xFFEF00F2)
YUV	99.0490, 70.4748, 122.7370
Hunter-Lab	49.7609, 98.1417, -67.7318

Details

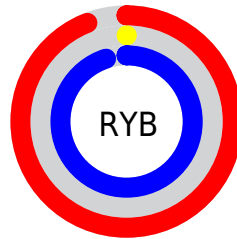
The Yxy color **24.7615, 0.3178, 0.1524** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **63.5374, 0.3002, 0.5999**, and the grayscale version is **12.3014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9827, 0.3193, 0.1894**, and **12.9678, 0.3115, 0.1490** is the 20% darker color. If you saturate the color by 10%, you get **24.7694, 0.3178, 0.1524**, and if you desaturate by 10%, it is **25.4830, 0.3180, 0.1556**.

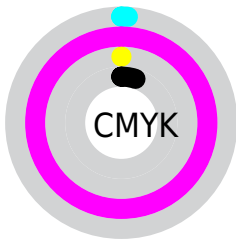
Distribution



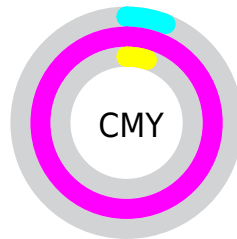
- Red (94%)
- Green (0%)
- Blue (95%)



- Red (94%)
- Yellow (0%)
- Blue (95%)



- Cyan (1%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (6%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7615, 0.3178, 0.1524 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 24.7615, 0.3178, 0.1524 by changing the saturation by 10% instead.


 24.7615, 0.3178,
0.1524


 24.7615, 0.3178,
0.1524


276.6481, 0.3207,
0.2314


 15.8995, 0.3157,
0.1359


 51.2700, 0.3200,
0.1788


 9.4530, 0.3122,
0.1165

 69.6853, 0.3205,
0.1894


 5.0378, 0.3066,
0.0939


 92.0538, 0.3208,
0.1986

 2.2695, 0.2973,
0.0679

 118.7599, 0.3209,
0.2068

 0.7575, 0.2812,
0.0393

 150.1880, 0.3209,
0.2140

 0.0000, 0.2560,
0.0000

186.7224, 0.3209,

 0.0000, 0.2018,

0.2204

0.0000

228.7477, 0.3208,
0.2262

■ 0.0000, 0.0000,
0.0000

■ 24.7615, 0.3178,
0.1524

■ 24.7615, 0.3178,
0.1524

■ 24.7694, 0.3178,
0.1524

■ 25.4830, 0.3180,
0.1556

■ 27.0207, 0.3180,
0.1624

■ 29.6393, 0.3179,
0.1735

■ 33.4922, 0.3175,
0.1889

■ 38.7080, 0.3170,
0.2080

■ 45.3991, 0.3163,
0.2301

■ 53.6665, 0.3155,
0.2542

■ 63.6020, 0.3146,
0.2792

■ 75.2907, 0.3137,
0.3044

Harmonies

Analogous

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



24.7615, 0.1731, 0.1152



24.7615, 0.3178, 0.1524



24.7615, 0.5166, 0.2190

Triad

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



24.7615, 0.3178, 0.1524



24.7615, 0.4977, 0.5023



24.7615, 0.0704, 0.2287

Complementary

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



24.7615, 0.3178, 0.1524



63.5374, 0.3002, 0.5999

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.



24.7615, 0.1148, 0.4474



24.7615, 0.3178, 0.1524



24.7615, 0.3564, 0.6436

Square

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



24.7615, 0.3178, 0.1524



24.7615, 0.6124, 0.3833



24.7615, 0.2199, 0.6726



24.7615, 0.0692, 0.1365

Rectangle

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



24.7615, 0.3178, 0.1524



24.7615, 0.6148, 0.2705



24.7615, 0.2199, 0.6726



24.7615, 0.0789, 0.2853

Sweetspot

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



24.7694, 0.3178, 0.1524



60.3415, 0.3155, 0.2540



6.4998, 0.1502, 0.0607



12.0267, 0.3158, 0.2436



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.



24.7694, 0.3178, 0.1524



27.8881, 0.3178, 0.1524



20.3632, 0.4923, 0.2486



16.0209, 0.3136, 0.3057



13.3082, 0.3179, 0.1525



1.1103, 0.3183, 0.1527

Inverse Universe

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



18.8879, 0.6391, 0.3295



21.2669, 0.6392, 0.3295



64.8019, 0.2748, 0.5092



15.7620, 0.3291, 0.3288



10.1460, 0.6388, 0.3292



0.8452, 0.6353, 0.3273

Previews

White Background



This preview shows how the Yxy color 24.7615, 0.3178, 0.1524 looks on a white background.

Color Contrast Check

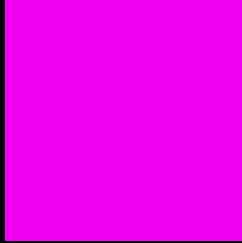
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7615, 0.3178, 0.1524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

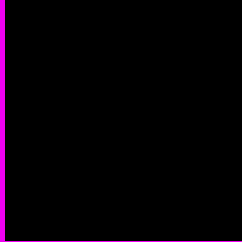
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7615, 0.3178, 0.1524

Background



This preview shows how black text looks on a background with the Yxy color 24.7615, 0.3178, 0.1524.



This preview shows how white text looks on a background with the Yxy color 24.7615, 0.3178, 0.1524.

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

24.7615, 0.3178, 0.1524

Protanopia

25.6479, 0.1913, 0.1677

Deuteranopia

25.3853, 0.2049, 0.1987



Tritanopia

24.9713, 0.4808, 0.3229

Trichromacy



Original Color

24.7615, 0.3178, 0.1524



Protanomaly

18.3857, 0.2141, 0.1304



Deuteranomaly

18.1240, 0.2273, 0.1452



Tritanomaly

22.1567, 0.4228, 0.2366

Monochromacy



Original Color

24.7615, 0.3178, 0.1524



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

12.2734, 0.3175, 0.1954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7615, 0.3178, 0.1524 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(239, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(239, 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(239, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 0, 242) }
```

Border

The CSS property to change the border of an element to Yxy 24.7615, 0.3178, 0.1524 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(239, 0, 242) }
```

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

```
.border{ border-color:rgb(239, 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(239, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(239, 0,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7615, 0.3178, 0.1524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 0, 242) }
```

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

```
.background{ background-color: rgb(239, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor