

Converting Colors

$Y_{xy}(25.7701, 0.3168, 0.1519)$

Have a look what the booklet for
Yxy(25.7701, 0.3168, 0.1519)
contains.

Yxy(25.7701, 0.3168, 0.1519)	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(25.7701, 0.3168, 0.1519)

Conversions

Conversions Part 1

Format	Color
Hex	F300F7
RGB	243, 0, 247
RGB Percent	95%, 0%, 97%
CMY	0.0471, 0.9992, 0.0314
CMYK	0.02, 1.00, 0.00, 0.03
HSL	299°, 100%, 48%
HSV	299°, 100%, 97%
XYZ	53.7457, 25.7701, 90.1360
YIQ	100.8150, 65.5410, 128.3330

Conversions

Conversions Part 2

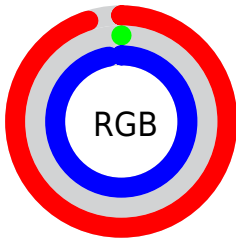
Format	Color
RYB	243, 0, 247
Decimal	15925495
CIELab	57.82, 95.28, -60.52
CIELCh	58, 112.878, 327.578
Yxy	25.7701, 0.3168, 0.1519
Android (android.graphics.Color)	4294115575 (0xFFFF300F7)
YUV	100.8150, 72.0692, 124.6962
Hunter-Lab	50.7643, 100.1460, -69.7391

Details

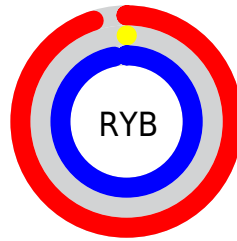
The Yxy color **25.7701, 0.3168, 0.1519** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **66.5486, 0.3002, 0.5998**, and the grayscale version is **12.7926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1805, 0.3192, 0.1900**, and **13.6628, 0.3104, 0.1484** is the 20% darker color. If you saturate the color by 10%, you get **25.7664, 0.3168, 0.1519**, and if you desaturate by 10%, it is **26.5295, 0.3171, 0.1551**.

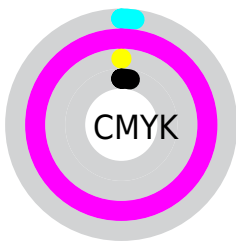
Distribution



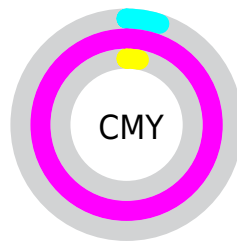
- Red (95%)
- Green (0%)
- Blue (97%)



- Red (95%)
- Yellow (0%)
- Blue (97%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)





- Cyan (5%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7701, 0.3168, 0.1519 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 25.7701, 0.3168, 0.1519 by changing the saturation by 10% instead.


 25.7701, 0.3168,
0.1519


 25.7701, 0.3168,
0.1519


281.6517, 0.3202,
0.2305


 16.6517, 0.3146,
0.1356


 52.9038, 0.3191,
0.1780

 9.9865, 0.3110,
0.1166


 71.6880, 0.3197,
0.1885

 5.3900, 0.3054,
0.0944


 94.4628, 0.3201,
0.1977

 2.4779, 0.2961,
0.0689

 121.6128, 0.3203,
0.2058

 0.8655, 0.2804,
0.0412

 153.5223, 0.3203,
0.2131

 0.0000, 0.2569,
0.0000


190.5757, 0.3204,


 0.0000, 0.2051,


0.2195

0.0000


233.1573, 0.3203,
0.2253


 0.0000, 0.0000,
0.0000


 25.7701, 0.3168,
0.1519


 25.7701, 0.3168,
0.1519


 25.7664, 0.3168,
0.1519

 26.5295, 0.3171,
0.1551

 28.1573, 0.3172,
0.1620

 30.9196, 0.3172,
0.1732

 34.9775, 0.3170,
0.1887

 40.4661, 0.3165,
0.2079

■ 47.5036, 0.3160,
0.2301

■ 56.1959, 0.3152,
0.2542

■ 66.6397, 0.3144,
0.2793

■ 78.9240, 0.3136,
0.3046

Harmonies

Analogous

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



25.7701, 0.1723, 0.1149



25.7701, 0.3168, 0.1519



25.7701, 0.5159, 0.2185

Triad

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



25.7701, 0.3168, 0.1519



25.7701, 0.4985, 0.5015



25.7701, 0.0702, 0.2292

Complementary

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



25.7701, 0.3168, 0.1519



66.5486, 0.3002, 0.5998

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.



25.7701, 0.1148, 0.4491



25.7701, 0.3168, 0.1519



25.7701, 0.3569, 0.6431

Square

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



25.7701, 0.3168, 0.1519



25.7701, 0.6129, 0.3825



25.7701, 0.2202, 0.6739



25.7701, 0.0689, 0.1365

Rectangle

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



25.7701, 0.3168, 0.1519



25.7701, 0.6148, 0.2699



25.7701, 0.2202, 0.6739



25.7701, 0.0788, 0.2862

Sweetspot

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



25.7713, 0.3168, 0.1519



60.2848, 0.3153, 0.2539



6.8102, 0.1502, 0.0608



12.0129, 0.3156, 0.2435



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.



25.7713, 0.3168, 0.1519



27.7015, 0.3168, 0.1519



21.3292, 0.4924, 0.2487



16.7537, 0.3135, 0.3057



13.6337, 0.3169, 0.1519



1.2026, 0.3174, 0.1522

Inverse Universe

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



19.7875, 0.6388, 0.3293



21.2691, 0.6389, 0.3293



67.8658, 0.2748, 0.5093



16.4869, 0.3291, 0.3287



10.4645, 0.6384, 0.3290



0.9212, 0.6340, 0.3266

Previews

White Background



This preview shows how the Yxy color 25.7701, 0.3168, 0.1519 looks on a white background.

Color Contrast Check

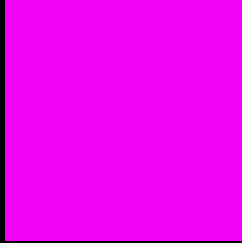
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7701, 0.3168, 0.1519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

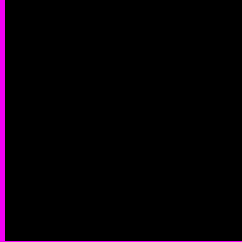
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7701, 0.3168, 0.1519

Background



This preview shows how black text looks on a background with the Yxy color 25.7701, 0.3168, 0.1519.



This preview shows how white text looks on a background with the Yxy color 25.7701, 0.3168, 0.1519.

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

25.7701, 0.3168, 0.1519

Protanopia

26.4480, 0.1941, 0.1711

Deuteranopia

26.5382, 0.2040, 0.1982



Tritanopia

25.8596, 0.4797, 0.3230

Trichromacy



Original Color

25.7701, 0.3168, 0.1519



Protanomaly

19.2479, 0.2172, 0.1329



Deuteranomaly

18.9157, 0.2264, 0.1447



Tritanomaly

23.1354, 0.4222, 0.2368

Monochromacy



Original Color

25.7701, 0.3168, 0.1519



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

12.7722, 0.3175, 0.1949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7701, 0.3168, 0.1519 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(243, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(243, 0, 247)  
}
```

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(243, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 0, 247) }
```

Border

The CSS property to change the border of an element to Yxy 25.7701, 0.3168, 0.1519 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(243, 0, 247) }
```

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

```
.border{ border-color:rgb(243, 0, 247) }
```

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

Here you see how a box with a 4 pixel rgb(243, 0, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(243, 0,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7701, 0.3168, 0.1519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 0, 247) }
```

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

```
.background{ background-color: rgb(243, 0,  
247) }
```

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