

Converting Colors

$Y_{xy}(27.2164, 0.3073, 0.1518)$

Have a look what the booklet for
Yxy(27.2164, 0.3073, 0.1518)
contains.

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Color

Yxy(27.1228, 0.3069, 0.1515)

Conversions

Conversions Part 1

Format	Color
Hex	F123FF
RGB	241, 35, 255
RGB Percent	95%, 14%, 100%
CMY	0.0547, 0.8635, 0.0000
CMYK	0.05, 0.86, 0.00, 0.00
HSL	296°, 100%, 57%
HSV	296°, 86%, 100%
XYZ	54.9438, 27.1228, 96.9618
YIQ	121.6740, 52.1560, 112.0920

Conversions

Conversions Part 2

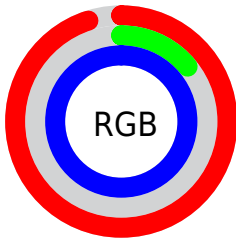
Format	Color
R _Y B	241, 35, 255
Decimal	15803391
CIE Lab	59.09, 92.86, -62.96
CIE LCh	59, 112.189, 325.864
Yxy	27.1228, 0.3069, 0.1515
Android (android.graphics.Color)	4293993471 (0xFFFF123FF)
YUV	121.6740, 65.7297, 104.6489
Hunter-Lab	52.0796, 97.1779, -73.9305

Details

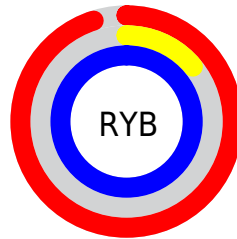
The Yxy color **27.1228, 0.3069, 0.1515** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light washed magenta. A complement of this color would be **72.2872, 0.3030, 0.5869**, and the grayscale version is **19.0899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0683, 0.3189, 0.1964**, and **13.7345, 0.2992, 0.1422** is the 20% darker color. If you saturate the color by 10%, you get **25.8508, 0.3054, 0.1465**, and if you desaturate by 10%, it is **29.4821, 0.3084, 0.1608**.

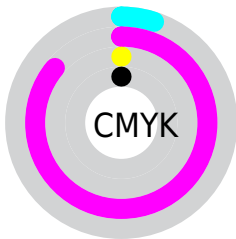
Distribution



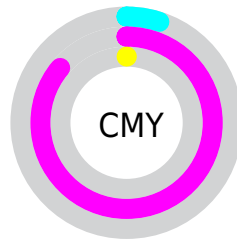
- Red (95%)
- Green (14%)
- Blue (100%)



- Red (95%)
- Yellow (14%)
- Blue (100%)



- Cyan (5%)
- Magenta (86%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (86%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1228, 0.3069, 0.1515 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 27.1228, 0.3069, 0.1515 by changing the saturation by 10% instead.


 27.1228, 0.3069,
0.1515

 27.1228, 0.3069,
0.1515


288.2512, 0.3152,
0.2296


 17.6655, 0.3036,
0.1355


 55.0809, 0.3110,
0.1773

 10.7101, 0.2987,
0.1168


 74.3504, 0.3122,
0.1877

 5.8722, 0.2915,
0.0950


 97.6594, 0.3131,
0.1969

 2.7675, 0.2805,
0.0702

 125.3924, 0.3138,
0.2050

 1.0116, 0.2628,
0.0431

 157.9336, 0.3143,
0.2122

 0.0000, 0.2380,
0.0000

195.6676, 0.3147,

 0.0000, 0.1863,

0.2186

0.0000

238.9787, 0.3150,
0.2244

■ 0.0000, 0.0293,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.1228, 0.3069,
0.1515

■ 27.1228, 0.3069,
0.1515

■ 25.8508, 0.3054,
0.1465

■ 29.4821, 0.3084,
0.1608

■ 25.5458, 0.3048,
0.1453

■ 33.1315, 0.3096,
0.1746

■ 38.2339, 0.3107,
0.1924

■ 44.9281, 0.3116,
0.2137

53.3370, 0.3122,
0.2374

63.5710, 0.3126,
0.2625

75.7316, 0.3128,
0.2881

89.9127, 0.3128,
0.3134

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



27.1228, 0.1688, 0.1164



27.1228, 0.3069, 0.1515



27.1228, 0.5011, 0.2163

Triad

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



27.1228, 0.3069, 0.1515



27.1228, 0.5058, 0.4942



27.1228, 0.0745, 0.2404

Complementary

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



27.1228, 0.3069, 0.1515



72.2872, 0.3030, 0.5869

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.



27.1228, 0.1230, 0.4622



27.1228, 0.3069, 0.1515



27.1228, 0.3670, 0.6315

Square

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



27.1228, 0.3069, 0.1515



27.1228, 0.6129, 0.3783



27.1228, 0.2310, 0.6701



27.1228, 0.0708, 0.1426

Rectangle

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



27.1228, 0.3069, 0.1515



27.1228, 0.6030, 0.2676



27.1228, 0.2310, 0.6701



27.1228, 0.0842, 0.2992

Sweetspot

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



27.1229, 0.3069, 0.1515



63.9589, 0.3126, 0.2634



9.8126, 0.1587, 0.0784



12.8805, 0.3125, 0.2546



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.



27.1229, 0.3069, 0.1515



25.5458, 0.3048, 0.1453



24.9750, 0.4438, 0.2302



18.2384, 0.3128, 0.3055



13.3733, 0.3051, 0.1454



1.3191, 0.3070, 0.1465

Inverse Universe

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



22.6711, 0.6048, 0.3235



21.2978, 0.6353, 0.3274



73.4920, 0.2750, 0.4991



18.0057, 0.3284, 0.3275



11.1356, 0.6337, 0.3264



1.0905, 0.6190, 0.3184

Previews

White Background



This preview shows how the Yxy color 27.1228, 0.3069, 0.1515 looks on a white background.

Color Contrast Check

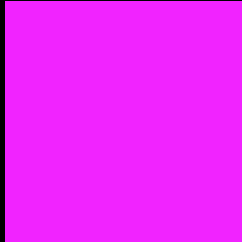
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1228, 0.3069, 0.1515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

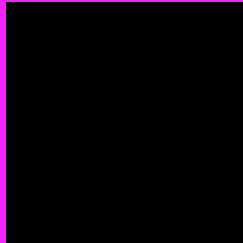
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1228, 0.3069, 0.1515

Background



This preview shows how black text looks on a background with the Yxy color 27.1228, 0.3069, 0.1515.



This preview shows how white text looks on a background with the Yxy color 27.1228, 0.3069, 0.1515.

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

27.1228, 0.3069, 0.1515

Protanopia

27.5701, 0.1973, 0.1758

Deuteranopia

27.6543, 0.1998, 0.1942



Tritanopia

26.8956, 0.4609, 0.3215

Trichromacy



Original Color

27.1228, 0.3069, 0.1515



Protanomaly

22.1901, 0.2202, 0.1450



Deuteranomaly

21.5615, 0.2206, 0.1521



Tritanomaly

25.0593, 0.4028, 0.2401

Monochromacy



Original Color

27.1228, 0.3069, 0.1515



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.2139, 0.3117, 0.2148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1228, 0.3069, 0.1515 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(241, 35, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 35, 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(241, 35, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 35, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.1228, 0.3069, 0.1515 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(241, 35, 255) }
```

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

```
.border{ border-color:rgb(241, 35, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 35, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 35, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 35, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 35,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1228, 0.3069, 0.1515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 35, 255) }
```

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

```
.background{ background-color: rgb(241, 35,  
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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