

Converting Colors

Yxy(28.9465, 0.3016, 0.1601)

Have a look what the booklet for
Yxy(28.9465, 0.3016, 0.1601)
contains.

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Color

Yxy(28.9493, 0.3018, 0.1601)

Conversions

Conversions Part 1

Format	Color
Hex	EC42FF
RGB	236, 66, 255
RGB Percent	93%, 26%, 100%
CMY	0.0748, 0.7407, 0.0001
CMYK	0.07, 0.74, 0.00, 0.00
HSL	294°, 100%, 63%
HSV	294°, 74%, 100%
XYZ	54.5715, 28.9493, 97.2993
YIQ	138.3760, 40.6510, 94.8190

Conversions

Conversions Part 2

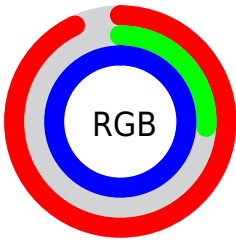
Format	Color
R _Y B	236, 66, 255
Decimal	15483647
CIE Lab	60.74, 84.81, -60.34
CIE LCh	61, 104.081, 324.571
Yxy	28.9493, 0.3018, 0.1601
Android (android.graphics.Color)	4293673727 (0xFFEC42FF)
YUV	138.3760, 57.4956, 85.6162
Hunter-Lab	53.8046, 86.8865, -69.5559

Details

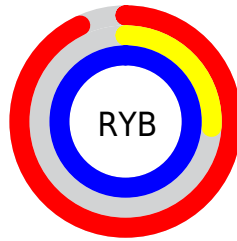
The Yxy color **28.9493, 0.3018, 0.1601** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **73.8384, 0.3077, 0.5610**, and the grayscale version is **25.3495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4453, 0.3183, 0.2103**, and **13.2613, 0.2941, 0.1394** is the 20% darker color. If you saturate the color by 10%, you get **26.1636, 0.2993, 0.1490**, and if you desaturate by 10%, it is **33.0710, 0.3042, 0.1756**.

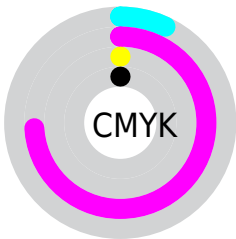
Distribution



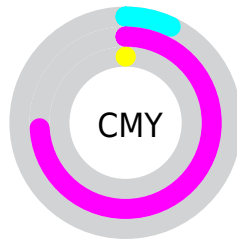
- Red (93%)
- Green (26%)
- Blue (100%)



- Red (93%)
- Yellow (26%)
- Blue (100%)



- Cyan (7%)
- Magenta (74%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (74%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9493, 0.3018, 0.1601 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 28.9493, 0.3018, 0.1601 by changing the saturation by 10% instead.


 28.9493, 0.3018,
0.1601


 28.9493, 0.3018,
0.1601


296.9757, 0.3120,
0.2349

 19.0425, 0.2982,
0.1445


 57.9965, 0.3064,
0.1850

 11.7010, 0.2930,
0.1262


 77.9057, 0.3079,
0.1950


 6.5404, 0.2856,
0.1047


 101.9178, 0.3090,
0.2038

 3.1764, 0.2743,
0.0797

 130.4172, 0.3099,
0.2115

 1.2245, 0.2566,
0.0516

 163.7883, 0.3106,
0.2184

 0.0816, 0.2319,
0.0064

202.4155, 0.3112,

 0.0000, 0.1812,

0.2245

0.0000

246.6831, 0.3117,
0.2300

■ 0.0000, 0.0191,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.9493, 0.3018,
0.1601

■ 28.9493, 0.3018,
0.1601

■ 26.1636, 0.2993,
0.1490

■ 33.0710, 0.3042,
0.1756

■ 24.5188, 0.2967,
0.1423


■ 38.6813, 0.3063,
0.1951

■ 23.9215, 0.2952,
0.1400

■ 45.9161, 0.3081,
0.2177

■ 54.8950, 0.3097,
0.2423

 65.7265, 0.3109,
0.2680

 78.5100, 0.3118,
0.2938

 93.3380, 0.3125,
0.3191

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



28.9493, 0.1746, 0.1270



28.9493, 0.3018, 0.1601



28.9493, 0.4780, 0.2221

Triad

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



28.9493, 0.3018, 0.1601



28.9493, 0.5086, 0.4901



28.9493, 0.0889, 0.2570

Complementary

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



28.9493, 0.3018, 0.1601



73.8384, 0.3077, 0.5610

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.



28.9493, 0.1418, 0.4606



28.9493, 0.3018, 0.1601



28.9493, 0.3786, 0.6067

Square

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



28.9493, 0.3018, 0.1601



28.9493, 0.5993, 0.3814



28.9493, 0.2495, 0.6385



28.9493, 0.0820, 0.1579

Rectangle

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



28.9493, 0.3018, 0.1601



28.9493, 0.5747, 0.2723



28.9493, 0.2495, 0.6385



28.9493, 0.1002, 0.3133

Sweetspot

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



28.9506, 0.3018, 0.1601



68.2240, 0.3111, 0.2734



15.3845, 0.1757, 0.1135



13.9101, 0.3108, 0.2664



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.



28.9506, 0.3018, 0.1601



25.2291, 0.2980, 0.1452



28.5668, 0.4050, 0.2238



18.2019, 0.3122, 0.3055



12.5399, 0.2956, 0.1402



1.2467, 0.2987, 0.1419

Inverse Universe

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



25.8237, 0.5474, 0.3153



22.3313, 0.6054, 0.3200



74.5173, 0.2777, 0.4854



18.0168, 0.3278, 0.3266



11.1568, 0.6287, 0.3237



1.0957, 0.6073, 0.3119

Previews

White Background



This preview shows how the Yxy color 28.9493, 0.3018, 0.1601 looks on a white background.

Color Contrast Check

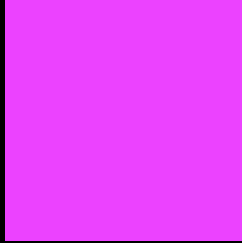
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9493, 0.3018, 0.1601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

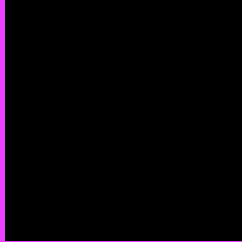
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9493, 0.3018, 0.1601

Background



This preview shows how black text looks on a background with the Yxy color 28.9493, 0.3018, 0.1601.



This preview shows how white text looks on a background with the Yxy color 28.9493, 0.3018, 0.1601.

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

28.9493, 0.3018, 0.1601

Protanopia

29.2446, 0.2027, 0.1825

Deuteranopia

29.2095, 0.2048, 0.1981



Tritanopia

28.6554, 0.4358, 0.3199

Trichromacy



Original Color

28.9493, 0.3018, 0.1601



Protanomaly

25.5925, 0.2262, 0.1607



Deuteranomaly

25.2477, 0.2266, 0.1679



Tritanomaly

27.6204, 0.3843, 0.2475

Monochromacy



Original Color

28.9493, 0.3018, 0.1601



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

23.9232, 0.3092, 0.2341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9493, 0.3018, 0.1601 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, 66, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 66, 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(236, 66, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 66, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.9493, 0.3018, 0.1601 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, 66, 255) }
```

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

```
.border{ border-color:rgb(236, 66, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 66, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 66, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 66, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 66,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9493, 0.3018, 0.1601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 66, 255) }
```

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

```
.background{ background-color: rgb(236, 66,  
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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