

Converting Colors

$Y_{xy}(28.8473, 0.3281, 0.1616)$

Have a look what the booklet for
Yxy(28.8473, 0.3281, 0.1616)
contains.

Yxy(28.8678, 0.3278, 0.1615)	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(28.8678, 0.3278, 0.1615)

Conversions

Conversions Part 1

Format	Color
Hex	FF1CF8
RGB	255, 28, 248
RGB Percent	100%, 11%, 97%
CMY	0.0001, 0.8898, 0.0275
CMYK	0.00, 0.89, 0.03, 0.00
HSL	302°, 100%, 56%
HSV	302°, 89%, 100%
XYZ	58.5936, 28.8678, 91.2866
YIQ	120.9530, 64.6720, 116.5440

Conversions

Conversions Part 2

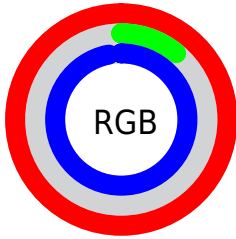
Format	Color
R _Y B	255, 28, 248
Decimal	16719096
CIE _{Lab}	60.66, 95.09, -56.41
CIE _{LCh}	61, 110.560, 329.324
Yxy	28.8678, 0.3278, 0.1615
Android (android.graphics.Color)	4294909176 (0xFFFF1CF8)
YUV	120.9530, 62.6342, 117.5592
Hunter-Lab	53.7288, 100.6368, -63.1252

Details

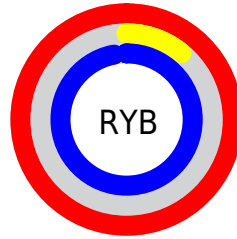
The Yxy color **28.8678, 0.3278, 0.1615** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **71.8809, 0.2996, 0.5893**, and the grayscale version is **18.8997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0683, 0.3189, 0.1964**, and **15.0990, 0.3235, 0.1556** is the 20% darker color. If you saturate the color by 10%, you get **28.0419, 0.3288, 0.1587**, and if you desaturate by 10%, it is **30.6835, 0.3266, 0.1681**.

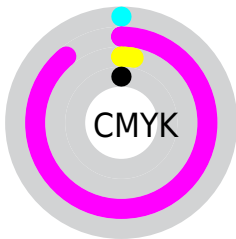
Distribution



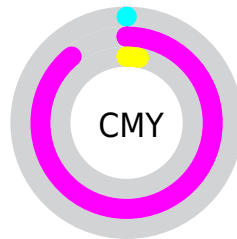
- Red (100%)
- Green (11%)
- Blue (97%)



- Red (100%)
- Yellow (11%)
- Blue (97%)



- Cyan (0%)
- Magenta (89%)
- Yellow (3%)
- Black (0%)




- Cyan (0%)
- Magenta (89%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8678, 0.3278, 0.1615 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 28.8678, 0.3278, 0.1615 by changing the saturation by 10% instead.


 28.8678, 0.3278,
0.1615


 28.8678, 0.3278,
0.1615


296.5907, 0.3252,
0.2356

 18.9808, 0.3272,
0.1460


 57.8670, 0.3278,
0.1862


 11.6564, 0.3259,
0.1278


 77.7480, 0.3276,
0.1961

 6.5102, 0.3231,
0.1064


 101.7291, 0.3272,
0.2048

 3.1577, 0.3179,
0.0814

 130.1948, 0.3268,
0.2124

 1.2146, 0.3081,
0.0531

 163.5294, 0.3264,
0.2192

 0.0736, 0.2945,
0.0061

202.1173, 0.3260,

 0.0000, 0.2531,

0.2253

0.0000

246.3430, 0.3256,
0.2307

■ 0.0000, 0.1395,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.8678, 0.3278,
0.1615

■ 28.8678, 0.3278,
0.1615

■ 28.0419, 0.3288,
0.1587

■ 30.6835, 0.3266,
0.1681

■ 27.9807, 0.3289,
0.1586

■ 33.7370, 0.3251,
0.1791

■ 38.2008, 0.3234,
0.1944

■ 44.2191, 0.3216,
0.2133

■ 51.9183, 0.3197,
0.2351

■ 61.4120, 0.3178,
0.2586

■ 72.8037, 0.3160,
0.2831

■ 86.1892, 0.3142,
0.3076

99.9973, 0.3127,
0.3290

Harmonies

Analogous

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



28.8678, 0.1843, 0.1230



28.8678, 0.3278, 0.1615



28.8678, 0.5157, 0.2283

Triad

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



28.8678, 0.3278, 0.1615



28.8678, 0.4903, 0.5097



28.8678, 0.0770, 0.2279

Complementary

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



28.8678, 0.3278, 0.1615



71.8809, 0.2996, 0.5893

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.



28.8678, 0.1198, 0.4279



28.8678, 0.3278, 0.1615



28.8678, 0.3527, 0.6347

Square

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



28.8678, 0.3278, 0.1615



28.8678, 0.5985, 0.3925



28.8678, 0.2218, 0.6458



28.8678, 0.0766, 0.1413

Rectangle

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



28.8678, 0.3278, 0.1615



28.8678, 0.6053, 0.2796



28.8678, 0.2218, 0.6458



28.8678, 0.0853, 0.2801

Sweetspot

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



28.8692, 0.3278, 0.1615



63.5252, 0.3174, 0.2635



8.3590, 0.1554, 0.0682



12.8311, 0.3181, 0.2552



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.



28.8692, 0.3278, 0.1615



27.9843, 0.3289, 0.1586



23.9201, 0.4801, 0.2485



18.2901, 0.3143, 0.3063



14.6267, 0.3288, 0.1585



1.4271, 0.3278, 0.1580

Inverse Universe

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



28.8692, 0.3278, 0.1615



27.9843, 0.3289, 0.1586



73.8133, 0.2684, 0.4788



18.2901, 0.3143, 0.3063



14.6267, 0.3288, 0.1585



1.4271, 0.3278, 0.1580

Previews

White Background



This preview shows how the Yxy color 28.8678, 0.3278, 0.1615 looks on a white background.

Color Contrast Check

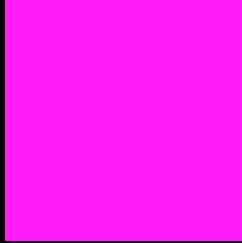
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8678, 0.3278, 0.1615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

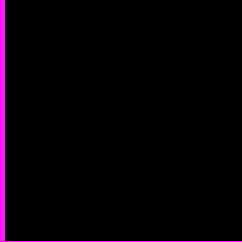
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8678, 0.3278, 0.1615

Background



This preview shows how black text looks on a background with the Yxy color 28.8678, 0.3278, 0.1615.



This preview shows how white text looks on a background with the Yxy color 28.8678, 0.3278, 0.1615.

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

28.8678, 0.3278, 0.1615

Protanopia

29.2446, 0.2027, 0.1825

Deuteranopia

29.2920, 0.2140, 0.2084



Tritanopia

28.6802, 0.4860, 0.3234

Trichromacy



Original Color

28.8678, 0.3278, 0.1615



Protanomaly

23.1079, 0.2309, 0.1509



Deuteranomaly

22.9437, 0.2404, 0.1637



Tritanomaly

26.7787, 0.4280, 0.2476

Monochromacy



Original Color

28.8678, 0.3278, 0.1615



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

18.1525, 0.3219, 0.2167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8678, 0.3278, 0.1615 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(255, 28, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 28, 248)  
}
```

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(255, 28, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 28, 248) }
```

Border

The CSS property to change the border of an element to Yxy 28.8678, 0.3278, 0.1615 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(255, 28, 248) }
```

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

```
.border{ border-color:rgb(255, 28, 248) }
```

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

Here you see how a box with a 4 pixel rgb(255, 28, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 28, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 28, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 28,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8678, 0.3278, 0.1615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 28, 248) }
```

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

```
.background{ background-color: rgb(255, 28,  
248) }
```

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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