

Converting Colors

$Y_{xy}(28.8429, 0.3209, 0.1556)$

Have a look what the booklet for
Yxy(28.8429, 0.3209, 0.1556)
contains.

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Color

Yxy(28.8216, 0.3209, 0.1555)

Conversions

Conversions Part 1

Format	Color
Hex	FF0FFF
RGB	255, 15, 255
RGB Percent	100%, 6%, 100%
CMY	0.0000, 0.9427, 0.0000
CMYK	0.00, 0.94, 0.00, 0.00
HSL	300°, 100%, 53%
HSV	300°, 94%, 100%
XYZ	59.4781, 28.8216, 97.0482
YIQ	114.1200, 66.0000, 125.5200

Conversions

Conversions Part 2

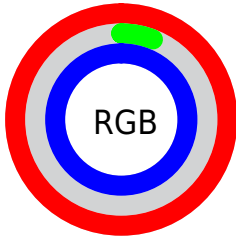
Format	Color
R _Y B	255, 15, 255
Decimal	16715775
CIE _{Lab}	60.62, 97.40, -60.36
CIE _{LCh}	61, 114.585, 328.210
Yxy	28.8216, 0.3209, 0.1555
Android (android.graphics.Color)	4294905855 (0xFFFF0FFF)
YUV	114.1200, 69.4538, 123.5518
Hunter-Lab	53.6858, 103.8091, -69.5990

Details

The Yxy color **28.8216, 0.3209, 0.1555** 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 **71.6518, 0.3001, 0.5968**, and the grayscale version is **16.5675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2051, 0.3191, 0.1935**, and **15.3687, 0.3158, 0.1514** is the 20% darker color. If you saturate the color by 10%, you get **28.4800, 0.3209, 0.1542**, and if you desaturate by 10%, it is **30.0054, 0.3206, 0.1602**.

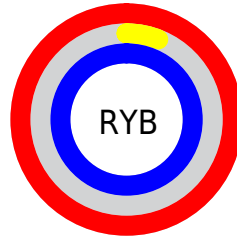
Distribution



Red (100%)

Green (6%)

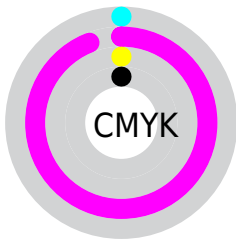
Blue (100%)



Red (100%)

Yellow (6%)

Blue (100%)

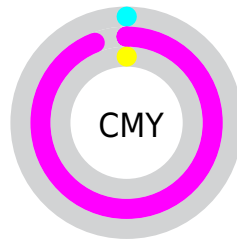


Cyan (0%)

Magenta (94%)

Yellow (0%)

Black (0%)



Cyan (0%)


Magenta (94%)


Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8216, 0.3209, 0.1555 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 28.8216, 0.3209, 0.1555 by changing the saturation by 10% instead.


 28.8216, 0.3209,
0.1555


 28.8216, 0.3209,
0.1555

296.3723, 0.3221,
0.2314

 18.9459, 0.3193,
0.1399


 57.7935, 0.3224,
0.1806

 11.6312, 0.3167,
0.1217


 77.6585, 0.3226,
0.1907


 6.4931, 0.3124,
0.1005


 101.6221, 0.3227,
0.1996

 3.1472, 0.3052,
0.0760

 130.0687, 0.3227,
0.2075

 1.2090, 0.2927,
0.0487

 163.3826, 0.3226,
0.2145

 0.0691, 0.2753,
0.0052

201.9482, 0.3225,

 0.0000, 0.2318,

0.2207

0.0000

246.1500, 0.3223,
0.2263

■ 0.0000, 0.1330,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.8216, 0.3209,
0.1555

■ 28.8216, 0.3209,
0.1555

■ 28.4800, 0.3209,
0.1542


■ 30.0054, 0.3206,
0.1602

■ 32.3318, 0.3202,
0.1691

■ 35.9821, 0.3196,
0.1824


■ 41.1134, 0.3188,
0.1998

 47.8606, 0.3178,
0.2205

 56.3438, 0.3167,
0.2437

 66.6714, 0.3156,
0.2684

 78.9431, 0.3144,
0.2936

 93.2514, 0.3132,
0.3186

Harmonies

Analogous

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



28.8216, 0.1768, 0.1179



28.8216, 0.3209, 0.1555



28.8216, 0.5158, 0.2221

Triad

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



28.8216, 0.3209, 0.1555



28.8216, 0.4954, 0.5046



28.8216, 0.0728, 0.2288

Complementary

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



28.8216, 0.3209, 0.1555



71.6518, 0.3001, 0.5968

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.



28.8216, 0.1168, 0.4410



28.8216, 0.3209, 0.1555



28.8216, 0.3551, 0.6394

Square

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



28.8216, 0.3209, 0.1555



28.8216, 0.6072, 0.3861



28.8216, 0.2210, 0.6633



28.8216, 0.0718, 0.1384

Rectangle

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



28.8216, 0.3209, 0.1555



28.8216, 0.6111, 0.2735



28.8216, 0.2210, 0.6633



28.8216, 0.0813, 0.2839

Sweetspot

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



28.8109, 0.3209, 0.1555



62.5950, 0.3160, 0.2591



7.6493, 0.1519, 0.0631



12.4599, 0.3165, 0.2484



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.



28.8109, 0.3209, 0.1555



28.4800, 0.3209, 0.1542



23.3348, 0.4866, 0.2481



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Inverse Universe

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



28.8109, 0.3209, 0.1555



28.4800, 0.3209, 0.1542



73.3622, 0.2713, 0.4938



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 28.8216, 0.3209, 0.1555 looks on a white background.

Color Contrast Check

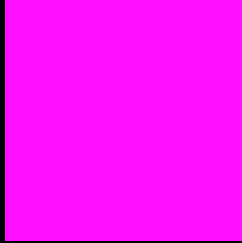
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8216, 0.3209, 0.1555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

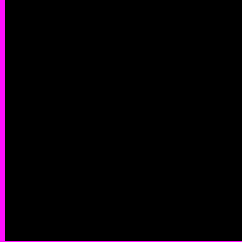
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8216, 0.3209, 0.1555

Background



This preview shows how black text looks on a background with the Yxy color 28.8216, 0.3209, 0.1555.



This preview shows how white text looks on a background with the Yxy color 28.8216, 0.3209, 0.1555.

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

28.8216, 0.3209, 0.1555

Protanopia

29.2446, 0.2027, 0.1825

Deuteranopia

29.2334, 0.2069, 0.2004



Tritanopia

28.7196, 0.4831, 0.3234

Trichromacy



Original Color

28.8216, 0.3209, 0.1555



Protanomaly

22.3580, 0.2285, 0.1444



Deuteranomaly

21.9058, 0.2313, 0.1520



Tritanomaly

26.3660, 0.4245, 0.2419

Monochromacy



Original Color

28.8216, 0.3209, 0.1555



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

16.1647, 0.3185, 0.2057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8216, 0.3209, 0.1555 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, 15, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 15, 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(255, 15, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 15, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.8216, 0.3209, 0.1555 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, 15, 255) }
```

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

```
.border{ border-color:rgb(255, 15, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 15, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 15, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 15, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 15,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8216, 0.3209, 0.1555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 15, 255) }
```

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

```
.background{ background-color: rgb(255, 15,  
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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