

# Converting Colors

Yxy(28.6338, 0.3209, 0.1548)

Have a look what the booklet for  
Yxy(28.6338, 0.3209, 0.1548)  
contains.

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# Color

**Yxy(28.6320, 0.3209, 0.1548)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF07FF
RGB	255, 7, 255
RGB Percent	100%, 3%, 100%
CMY	0.0001, 0.9710, 0.0001
CMYK	0.00, 0.97, 0.00, 0.00
HSL	300°, 100%, 51%
HSV	300°, 97%, 100%
XYZ	59.3541, 28.6320, 96.9752
YIQ	109.4240, 68.2000, 129.7040

# Conversions

## Conversions Part 2

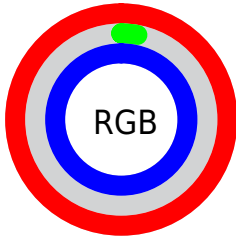
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 7, 255
Decimal	16713727
CIE <sub>Lab</sub>	60.46, 97.82, -60.61
CIE <sub>LCh</sub>	60, 115.077, 328.220
Yxy	28.6320, 0.3209, 0.1548
Android (android.graphics.Color)	4294903807 (0xFFFF07FF)
YUV	109.4240, 71.7690, 127.6702
Hunter-Lab	53.5089, 104.3584, -69.9962

# Details

The Yxy color **28.6320, 0.3209, 0.1548** 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 **71.5680, 0.3001, 0.5985**, and the grayscale version is **15.2619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9954, 0.3191, 0.1928**, and **15.3687, 0.3158, 0.1514** is the 20% darker color. If you saturate the color by 10%, you get **28.4729, 0.3209, 0.1542**, and if you desaturate by 10%, it is **29.5544, 0.3207, 0.1585**.

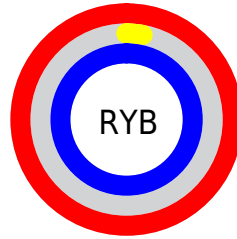
# Distribution



Red (100%)

Green (3%)

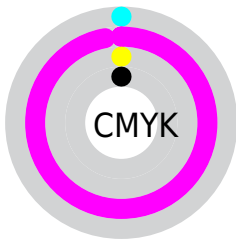
Blue (100%)



Red (100%)

Yellow (3%)

Blue (100%)

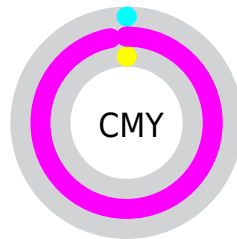


Cyan (0%)

Magenta (97%)

Yellow (0%)

Black (0%)



Cyan (0%)

Magenta (97%)


Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6320, 0.3209, 0.1548 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 28.6320, 0.3209, 0.1548 by changing the saturation by 10% instead.





 28.6320, 0.3209,  
0.1548


 28.6320, 0.3209,  
0.1548


295.4747, 0.3221,  
0.2310


 18.8026, 0.3193,  
0.1392


 57.4919, 0.3224,  
0.1799

 11.5277, 0.3167,  
0.1209


 77.2912, 0.3227,  
0.1901

 6.4230, 0.3123,  
0.0996


 101.1826, 0.3228,  
0.1991

 3.1039, 0.3050,  
0.0751

 129.5504, 0.3227,  
0.2069

 1.1862, 0.2924,  
0.0480

 162.7792, 0.3227,  
0.2140

 0.0504, 0.2749,  
0.0038

201.2532, 0.3225,

 0.0000, 0.2309,

0.2202

0.0000

245.3569, 0.3223,  
0.2259

■ 0.0000, 0.1308,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 28.6320, 0.3209,  
0.1548

■ 28.6320, 0.3209,  
0.1548

■ 28.4729, 0.3209,  
0.1542

■ 29.5544, 0.3207,  
0.1585

■ 31.5379, 0.3204,  
0.1662

■ 34.7952, 0.3198,  
0.1782

■ 39.4912, 0.3190,  
0.1945

45.7664, 0.3181,  
0.2143

53.7443, 0.3170,  
0.2369

63.5365, 0.3159,  
0.2613

75.2449, 0.3147,  
0.2865

88.9638, 0.3135,  
0.3116

# Harmonies

## Analogous

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



28.6320, 0.1762, 0.1172



28.6320, 0.3209, 0.1548



28.6320, 0.5170, 0.2216

# Triad

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



28.6320, 0.3209, 0.1548



28.6320, 0.4954, 0.5046



28.6320, 0.0719, 0.2280

# Complementary

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



28.6320, 0.3209, 0.1548



71.5680, 0.3001, 0.5985

# 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.



28.6320, 0.1158, 0.4415



28.6320, 0.3209, 0.1548



28.6320, 0.3546, 0.6410

# Square

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



28.6320, 0.3209, 0.1548



28.6320, 0.6083, 0.3857



28.6320, 0.2200, 0.6657



28.6320, 0.0710, 0.1375



# Rectangle

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



28.6320, 0.3209, 0.1548



28.6320, 0.6128, 0.2730



28.6320, 0.2200, 0.6657



28.6320, 0.0804, 0.2833

# Sweetspot

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



28.6333, 0.3209, 0.1548



61.5479, 0.3161, 0.2566



7.4264, 0.1509, 0.0615



12.2632, 0.3166, 0.2461



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.



28.6333, 0.3209, 0.1548



28.4793, 0.3209, 0.1542



23.0593, 0.4933, 0.2504



18.3004, 0.3138, 0.3056



14.8810, 0.3209, 0.1542



1.4489, 0.3209, 0.1542



# Inverse Universe

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



28.6333, 0.3209, 0.1548



28.4793, 0.3209, 0.1542



73.1954, 0.2723, 0.4989



18.3004, 0.3138, 0.3056



14.8810, 0.3209, 0.1542



1.4489, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 28.6320, 0.3209, 0.1548 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

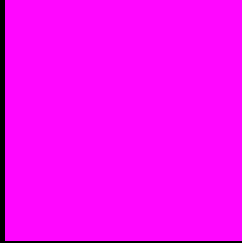
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.6320, 0.3209, 0.1548 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

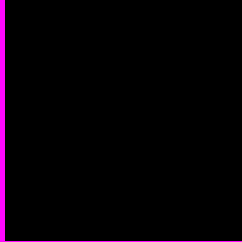
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.6320, 0.3209, 0.1548**

## **Background**



This preview shows how black text looks on a background with the Yxy color 28.6320, 0.3209, 0.1548.



This preview shows how white text looks on a background with the Yxy color 28.6320, 0.3209, 0.1548.

# 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

28.6320, 0.3209, 0.1548

### Protanopia

29.1921, 0.2023, 0.1823

### Deuteranopia

29.2334, 0.2069, 0.2004



## Tritanopia

28.5266, 0.4837, 0.3224

# Trichromacy



## Original Color

28.6320, 0.3209, 0.1548



## Protanomaly

21.9008, 0.2274, 0.1423



## Deuteranomaly

21.3479, 0.2309, 0.1491



## Tritanomaly

25.8821, 0.4255, 0.2392

# Monochromacy



## Original Color

28.6320, 0.3209, 0.1548



## Achromatopsia

15.5926, 0.3127, 0.3290



## Achromatomaly

15.1960, 0.3187, 0.2010

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.6320, 0.3209, 0.1548 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, 7, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 7, 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, 7, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 7, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 28.6320, 0.3209, 0.1548 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, 7, 255) }
```

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

```
.border{ border-color:rgb(255, 7, 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, 7, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 7, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 7, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 7,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.6320, 0.3209, 0.1548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 7, 255) }
```

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

```
.background{ background-color: rgb(255, 7,  
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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