

Converting Colors

$Y_{xy}(28.8058, 0.3209, 0.1598)$

Have a look what the booklet for
Yxy(28.8058, 0.3209, 0.1598)
contains.

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Color

Yxy(28.7974, 0.3207, 0.1596)

Conversions

Conversions Part 1

Format	Color
Hex	FB25FB
RGB	251, 37, 251
RGB Percent	98%, 15%, 98%
CMY	0.0156, 0.8552, 0.0157
CMYK	0.00, 0.85, 0.00, 0.02
HSL	300°, 96%, 56%
HSV	300°, 85%, 98%
XYZ	57.8655, 28.7974, 93.7720
YIQ	125.3820, 58.8500, 111.9220

Conversions

Conversions Part 2

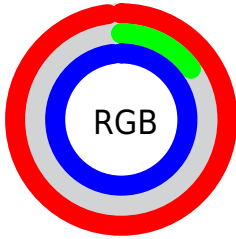
Format	Color
R _Y B	251, 37, 251
Decimal	16459259
CIE Lab	60.60, 93.59, -58.21
CIE LCh	61, 110.214, 328.119
Yxy	28.7974, 0.3207, 0.1596
Android (android.graphics.Color)	4294649339 (0xFFFB25FB)
YUV	125.3820, 61.9297, 110.1670
Hunter-Lab	53.6632, 98.5673, -66.0401

Details

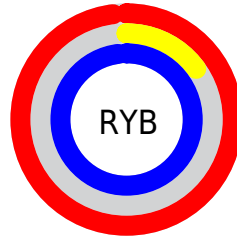
The Yxy color **28.7974, 0.3207, 0.1596** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **69.5398, 0.3006, 0.5872**, and the grayscale version is **20.4045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7415, 0.3188, 0.1986**, and **14.8422, 0.3158, 0.1513** is the 20% darker color. If you saturate the color by 10%, you get **27.7385, 0.3209, 0.1553**, and if you desaturate by 10%, it is **30.9290, 0.3203, 0.1681**.

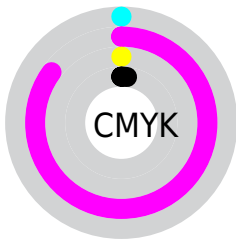
Distribution



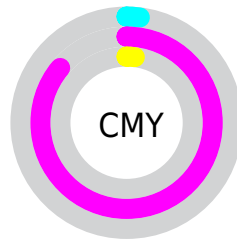
- Red (98%)
- Green (15%)
- Blue (98%)



- Red (98%)
- Yellow (15%)
- Blue (98%)



- Cyan (0%)
- Magenta (85%)
- Yellow (0%)
- Black (2%)




- Cyan (2%)
- Magenta (86%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7974, 0.3207, 0.1596 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 28.7974, 0.3207, 0.1596 by changing the saturation by 10% instead.


 28.7974, 0.3207,
0.1596


 28.7974, 0.3207,
0.1596


296.2578, 0.3217,
0.2344

 18.9276, 0.3192,
0.1441


 57.7550, 0.3220,
0.1844


 11.6180, 0.3167,
0.1258


 77.6117, 0.3223,
0.1944


 6.4841, 0.3126,
0.1044


 101.5661, 0.3224,
0.2032

 3.1416, 0.3056,
0.0795

 130.0026, 0.3223,
0.2109

 1.2061, 0.2933,
0.0515

 163.3056, 0.3222,
0.2178

 0.0667, 0.2761,
0.0054

201.8596, 0.3221,

 0.0000, 0.2315,

0.2239

0.0000

246.0488, 0.3219,
0.2294

■ 0.0000, 0.1109,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.7974, 0.3207,
0.1596

■ 28.7974, 0.3207,
0.1596

■ 27.7385, 0.3209,
0.1553

■ 30.9290, 0.3203,
0.1681

■ 27.4796, 0.3210,
0.1542

■ 34.3189, 0.3197,
0.1810

■ 39.1219, 0.3189,
0.1979

■ 45.4698, 0.3179,
0.2184

53.4791, 0.3168,
0.2413

63.2554, 0.3157,
0.2659

74.8953, 0.3145,
0.2911

88.4886, 0.3133,
0.3161

99.0024, 0.3125,
0.3328

Harmonies

Analogous

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



28.7974, 0.1803, 0.1224



28.7974, 0.3207, 0.1596



28.7974, 0.5083, 0.2255

Triad

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



28.7974, 0.3207, 0.1596



28.7974, 0.4955, 0.5045



28.7974, 0.0780, 0.2337

Complementary

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



28.7974, 0.3207, 0.1596



69.5398, 0.3006, 0.5872

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.



28.7974, 0.1232, 0.4380



28.7974, 0.3207, 0.1596



28.7974, 0.3585, 0.6303

Square

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



28.7974, 0.3207, 0.1596



28.7974, 0.6011, 0.3886



28.7974, 0.2271, 0.6493



28.7974, 0.0763, 0.1436

Rectangle

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



28.7974, 0.3207, 0.1596



28.7974, 0.6010, 0.2767



28.7974, 0.2271, 0.6493



28.7974, 0.0870, 0.2875

Sweetspot

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



28.7987, 0.3207, 0.1596



64.7455, 0.3158, 0.2641



8.6778, 0.1576, 0.0726



13.0711, 0.3162, 0.2555



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.



28.7987, 0.3207, 0.1596



28.4773, 0.3210, 0.1542



23.8470, 0.4645, 0.2435



17.5246, 0.3138, 0.3056



14.4402, 0.3210, 0.1542



1.3374, 0.3210, 0.1542

Inverse Universe

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



28.7987, 0.3207, 0.1596



28.4773, 0.3210, 0.1542



71.4195, 0.2691, 0.4769



17.5246, 0.3138, 0.3056



14.4402, 0.3210, 0.1542



1.3374, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 28.7974, 0.3207, 0.1596 looks on a white background.

Color Contrast Check

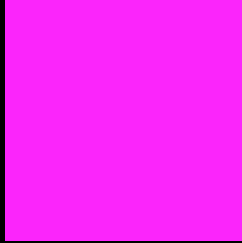
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7974, 0.3207, 0.1596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

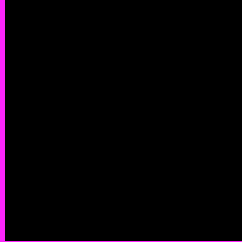
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7974, 0.3207, 0.1596

Background



This preview shows how black text looks on a background with the Yxy color 28.7974, 0.3207, 0.1596.



This preview shows how white text looks on a background with the Yxy color 28.7974, 0.3207, 0.1596.

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

28.7974, 0.3207, 0.1596

Protanopia

29.1921, 0.2023, 0.1823

Deuteranopia

29.2572, 0.2099, 0.2038



Tritanopia

28.6592, 0.4749, 0.3221

Trichromacy



Original Color

28.7974, 0.3207, 0.1596



Protanomaly

23.5404, 0.2279, 0.1515



Deuteranomaly

23.4102, 0.2351, 0.1626



Tritanomaly

26.8659, 0.4179, 0.2468

Monochromacy



Original Color

28.7974, 0.3207, 0.1596



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.4269, 0.3178, 0.2200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7974, 0.3207, 0.1596 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(251, 37, 251)` looks like.

```
.text, #text, p{  
    color:rgb(251, 37, 251)  
}
```

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(251, 37, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 37, 251) }
```

Border

The CSS property to change the border of an element to Yxy 28.7974, 0.3207, 0.1596 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(251, 37, 251) }
```

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

```
.border{ border-color:rgb(251, 37, 251) }
```

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

Here you see how a box with a 4 pixel rgb(251, 37, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 37, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 37, 251);  
box-shadow:4px 4px 4px 4px rgb(251, 37,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7974, 0.3207, 0.1596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 37, 251) }
```

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

```
.background{ background-color: rgb(251, 37,  
251) }
```

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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