

Converting Colors

$Y_{xy}(28.3536, 0.3105, 0.1611)$

Have a look what the booklet for
Yxy(28.3536, 0.3105, 0.1611)
contains.

Yxy(28.3536, 0.3105, 0.1611)	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(28.3536, 0.3105, 0.1611)

Conversions

Conversions Part 1

Format	Color
Hex	F039FA
RGB	240, 57, 250
RGB Percent	94%, 22%, 98%
CMY	0.0588, 0.7763, 0.0198
CMYK	0.04, 0.77, 0.00, 0.02
HSL	297°, 95%, 60%
HSV	297°, 77%, 98%
XYZ	54.6480, 28.3536, 92.9984
YIQ	133.7190, 47.1150, 98.8190

Conversions

Conversions Part 2

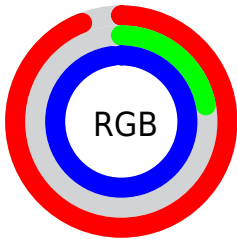
Format	Color
R _Y B	240, 57, 250
Decimal	15743482
CIE _{Lab}	60.21, 87.29, -58.37
CIE _{LCh}	60, 105.004, 326.230
Y _{xy}	28.3536, 0.3105, 0.1611
Android (android.graphics.Color)	4293933562 (0xFFFF039FA)
Y _{UV}	133.7190, 57.3265, 93.2084
Hunter-Lab	53.2481, 90.0086, -66.2770

Details

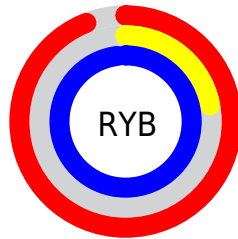
The Yxy color **28.3536, 0.3105, 0.1611** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **69.8326, 0.3040, 0.5703**, and the grayscale version is **23.5116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8953, 0.3185, 0.2055**, and **13.4340, 0.3027, 0.1441** is the 20% darker color. If you saturate the color by 10%, you get **26.2353, 0.3094, 0.1524**, and if you desaturate by 10%, it is **31.6910, 0.3114, 0.1742**.

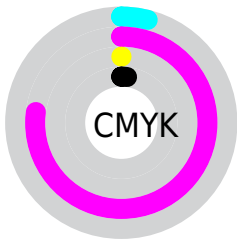
Distribution



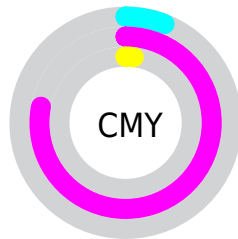
- Red (94%)
- Green (22%)
- Blue (98%)



- Red (94%)
- Yellow (22%)
- Blue (98%)



- Cyan (4%)
- Magenta (77%)
- Yellow (0%)
- Black (2%)





- Cyan (6%)
- Magenta (78%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3536, 0.3105, 0.1611 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 28.3536, 0.3105, 0.1611 by changing the saturation by 10% instead.


 28.3536, 0.3105,
0.1611


 28.3536, 0.3105,
0.1611


294.1527, 0.3164,
0.2358


 18.5924, 0.3079,
0.1454


 57.0485, 0.3136,
0.1860

 11.3761, 0.3039,
0.1270


 76.7509, 0.3145,
0.1960


 6.3204, 0.2979,
0.1054


 100.5359, 0.3151,
0.2048

 3.0409, 0.2885,
0.0801

 128.7879, 0.3156,
0.2125

 1.1531, 0.2729,
0.0515

 161.8911, 0.3159,
0.2193

 0.0229, 0.2517,
0.0020

200.2301, 0.3162,

 0.0000, 0.2009,

0.2254

0.0000

244.1891, 0.3163,
0.2309

■ 0.0000, 0.0248,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.3536, 0.3105,
0.1611

■ 28.3536, 0.3105,
0.1611

■ 26.2353, 0.3094,
0.1524

■ 31.6910, 0.3114,
0.1742


■ 25.1296, 0.3082,
0.1478


■ 36.4009, 0.3122,
0.1916


■ 24.9140, 0.3078,
0.1469


■ 42.6184, 0.3127,
0.2123


■ 50.4613, 0.3130,
0.2357

 60.0359, 0.3132,
0.2606

 71.4392, 0.3131,
0.2861

 84.7614, 0.3129,
0.3114

 98.8024, 0.3127,
0.3338

 99.0419, 0.3135,
0.3338

Harmonies

Analogous

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



28.3536, 0.1783, 0.1262



28.3536, 0.3105, 0.1611



28.3536, 0.4900, 0.2247

Triad

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



28.3536, 0.3105, 0.1611



28.3536, 0.5029, 0.4971



28.3536, 0.0853, 0.2473

Complementary

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



28.3536, 0.3105, 0.1611



69.8326, 0.3040, 0.5703

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.



28.3536, 0.1348, 0.4492



28.3536, 0.3105, 0.1611



28.3536, 0.3702, 0.6152

Square

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



28.3536, 0.3105, 0.1611



28.3536, 0.5986, 0.3856



28.3536, 0.2407, 0.6397



28.3536, 0.0807, 0.1527

Rectangle

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



28.3536, 0.3105, 0.1611



28.3536, 0.5842, 0.2753



28.3536, 0.2407, 0.6397



28.3536, 0.0956, 0.3021

Sweetspot

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



28.3549, 0.3105, 0.1611



67.5485, 0.3132, 0.2712



12.1379, 0.1691, 0.0972



13.5747, 0.3132, 0.2620



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.



28.3549, 0.3105, 0.1611



26.6604, 0.3087, 0.1492



26.0121, 0.4246, 0.2311



17.4763, 0.3130, 0.3056



13.2405, 0.3080, 0.1470



1.2399, 0.3097, 0.1479

Inverse Universe

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



23.6509, 0.5722, 0.3231



21.7819, 0.6249, 0.3265



71.1270, 0.2738, 0.4793



17.2397, 0.3286, 0.3278



10.8018, 0.6348, 0.3271



1.0054, 0.6221, 0.3201

Previews

White Background



This preview shows how the Yxy color 28.3536, 0.3105, 0.1611 looks on a white background.

Color Contrast Check

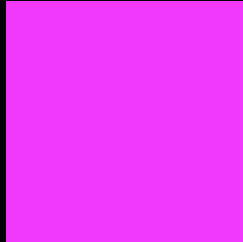
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3536, 0.3105, 0.1611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

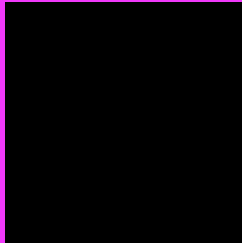
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3536, 0.3105, 0.1611

Background



This preview shows how black text looks on a background with the Yxy color 28.3536, 0.3105, 0.1611.



This preview shows how white text looks on a background with the Yxy color 28.3536, 0.3105, 0.1611.

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

28.3536, 0.3105, 0.1611

Protanopia

28.7901, 0.2011, 0.1807

Deuteranopia

28.7960, 0.2082, 0.2019



Tritanopia

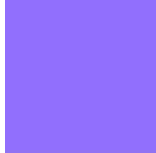
28.0455, 0.4510, 0.3214

Trichromacy



Original Color

28.3536, 0.3105, 0.1611



Protanomaly

24.4805, 0.2258, 0.1576



Deuteranomaly

24.3747, 0.2316, 0.1683



Tritanomaly

26.8519, 0.3973, 0.2476

Monochromacy



Original Color

28.3536, 0.3105, 0.1611



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

22.3269, 0.3137, 0.2317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3536, 0.3105, 0.1611 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(240, 57, 250)` looks like.

```
.text, #text, p{  
    color:rgb(240, 57, 250)  
}
```

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(240, 57, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 57, 250) }
```

Border

The CSS property to change the border of an element to Yxy 28.3536, 0.3105, 0.1611 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(240, 57, 250) }
```

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

```
.border{ border-color:rgb(240, 57, 250) }
```

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

Here you see how a box with a 4 pixel rgb(240, 57, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 57, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 57, 250);  
box-shadow:4px 4px 4px 4px rgb(240, 57,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3536, 0.3105, 0.1611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 57, 250) }
```

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

```
.background{ background-color: rgb(240, 57,  
250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor