

Converting Colors

$Y_{xy}(28.6192, 0.3049, 0.1611)$

Have a look what the booklet for
Yxy(28.6192, 0.3049, 0.1611)
contains.

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Color

Yxy(28.5279, 0.3046, 0.1609)

Conversions

Conversions Part 1

Format	Color
Hex	EC40FC
RGB	236, 64, 252
RGB Percent	93%, 25%, 99%
CMY	0.0744, 0.7492, 0.0117
CMYK	0.06, 0.75, 0.00, 0.01
HSL	295°, 97%, 62%
HSV	295°, 75%, 99%
XYZ	54.0062, 28.5279, 94.7679
YIQ	136.8600, 42.1640, 94.9320

Conversions

Conversions Part 2

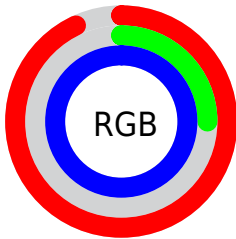
Format	Color
R _Y B	236, 64, 252
Decimal	15483132
CIE Lab	60.36, 84.98, -59.29
CIE LCh	60, 103.624, 325.095
Yxy	28.5279, 0.3046, 0.1609
Android (android.graphics.Color)	4293673212 (0xFFEC40FC)
YUV	136.8600, 56.7640, 86.9458
Hunter-Lab	53.4115, 87.0173, -67.8101

Details

The Yxy color **28.5279, 0.3046, 0.1609** 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 **71.7026, 0.3065, 0.5630**, and the grayscale version is **24.7235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9183, 0.3184, 0.2087**, and **13.1251, 0.2976, 0.1413** is the 20% darker color. If you saturate the color by 10%, you get **25.9382, 0.3026, 0.1504**, and if you desaturate by 10%, it is **32.4068, 0.3065, 0.1759**.

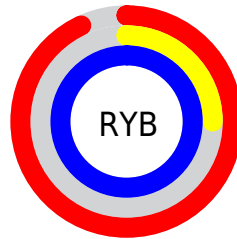
Distribution



Red (93%)

Green (25%)

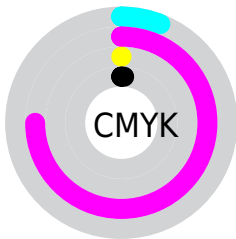
Blue (99%)



Red (93%)

Yellow (25%)

Blue (99%)

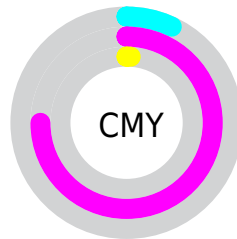


Cyan (6%)

Magenta (75%)

Yellow (0%)

Black (1%)



Cyan (7%)


Magenta (75%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5279, 0.3046, 0.1609 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 28.5279, 0.3046, 0.1609 by changing the saturation by 10% instead.


 28.5279, 0.3046,
0.1609


 28.5279, 0.3046,
0.1609


294.9809, 0.3134,
0.2357

 18.7240, 0.3013,
0.1453


 57.3262, 0.3087,
0.1858


 11.4710, 0.2965,
0.1269

 77.0893, 0.3100,
0.1958

 6.3846, 0.2895,
0.1052


 100.9409, 0.3110,
0.2046

 3.0803, 0.2787,
0.0800

 129.2655, 0.3118,
0.2123

 1.1738, 0.2616,
0.0515

 162.4474, 0.3123,
0.2191

 0.0402, 0.2379,
0.0033

200.8710, 0.3128,

 0.0000, 0.1862,

0.2253

0.0000

244.9207, 0.3132,
0.2307

■ 0.0000, 0.0041,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.5279, 0.3046,
0.1609

■ 28.5279, 0.3046,
0.1609

■ 25.9382, 0.3026,
0.1504

■ 32.4068, 0.3065,
0.1759

■ 24.4456, 0.3004,
0.1442


■ 37.7244, 0.3082,
0.1948


■ 23.9519, 0.2992,
0.1422

■ 44.6139, 0.3096,
0.2170

■ 53.1920, 0.3107,
0.2413

 63.5647, 0.3116,
0.2668

 75.8291, 0.3122,
0.2925

 90.0754, 0.3126,
0.3177

99.4632, 0.3133,
0.3319

99.8093, 0.3144,
0.3318

Harmonies

Analogous

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



28.5279, 0.1762, 0.1273



28.5279, 0.3046, 0.1609



28.5279, 0.4811, 0.2233

Triad

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



28.5279, 0.3046, 0.1609



28.5279, 0.5067, 0.4923



28.5279, 0.0883, 0.2544

Complementary

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



28.5279, 0.3046, 0.1609



71.7026, 0.3065, 0.5630

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.



28.5279, 0.1403, 0.4565



28.5279, 0.3046, 0.1609



28.5279, 0.3762, 0.6085

Square

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



28.5279, 0.3046, 0.1609



28.5279, 0.5984, 0.3830



28.5279, 0.2473, 0.6374



28.5279, 0.0822, 0.1569

Rectangle

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



28.5279, 0.3046, 0.1609



28.5279, 0.5766, 0.2736



28.5279, 0.2473, 0.6374



28.5279, 0.0994, 0.3100

Sweetspot

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



28.5292, 0.3046, 0.1609



68.3879, 0.3118, 0.2735



14.2667, 0.1741, 0.1092



13.9493, 0.3116, 0.2665



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.



28.5292, 0.3046, 0.1609



25.6840, 0.3014, 0.1465



27.5253, 0.4104, 0.2264



17.4452, 0.3124, 0.3055



12.5073, 0.2996, 0.1424



1.1798, 0.3023, 0.1439

Inverse Universe

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



24.9375, 0.5535, 0.3178



22.1663, 0.6117, 0.3223



72.5881, 0.2764, 0.4823



17.2491, 0.3281, 0.3270



10.8180, 0.6309, 0.3249



1.0099, 0.6111, 0.3140

Previews

White Background



This preview shows how the Yxy color 28.5279, 0.3046, 0.1609 looks on a white background.

Color Contrast Check

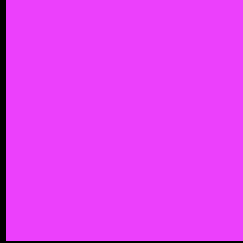
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5279, 0.3046, 0.1609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

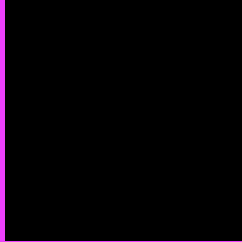
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5279, 0.3046, 0.1609

Background



This preview shows how black text looks on a background with the Yxy color 28.5279, 0.3046, 0.1609.



This preview shows how white text looks on a background with the Yxy color 28.5279, 0.3046, 0.1609.

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

28.5279, 0.3046, 0.1609

Protanopia

28.8413, 0.2015, 0.1809

Deuteranopia

28.7682, 0.2061, 0.1996



Tritanopia

28.1601, 0.4396, 0.3199

Trichromacy



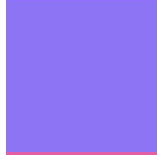
Original Color

28.5279, 0.3046, 0.1609



Protanomaly

25.1197, 0.2251, 0.1597



Deuteranomaly

24.6852, 0.2286, 0.1681



Tritanomaly

27.1803, 0.3874, 0.2476

Monochromacy



Original Color

28.5279, 0.3046, 0.1609



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.2908, 0.3102, 0.2335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5279, 0.3046, 0.1609 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(236, 64, 252)` looks like.

```
.text, #text, p{  
  color:rgb(236, 64, 252)  
}
```

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(236, 64, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 64, 252) }
```

Border

The CSS property to change the border of an element to Yxy 28.5279, 0.3046, 0.1609 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(236, 64, 252) }
```

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

```
.border{ border-color:rgb(236, 64, 252) }
```

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

Here you see how a box with a 4 pixel rgb(236, 64, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 64, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 64, 252);  
box-shadow:4px 4px 4px 4px rgb(236, 64,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5279, 0.3046, 0.1609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 64, 252) }
```

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

```
.background{ background-color: rgb(236, 64,  
252) }
```

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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