

Converting Colors

$Y_{xy}(28.3203, 0.2949, 0.1611)$

Have a look what the booklet for
Yxy(28.3203, 0.2949, 0.1611)
contains.

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Color

Yxy(28.3203, 0.2949, 0.1611)

Conversions

Conversions Part 1

Format	Color
Hex	E34AFD
RGB	227, 74, 253
RGB Percent	89%, 29%, 99%
CMY	0.1100, 0.7095, 0.0080
CMYK	0.10, 0.71, 0.00, 0.01
HSL	291°, 98%, 64%
HSV	291°, 71%, 99%
XYZ	51.8414, 28.3203, 95.6316
YIQ	140.1530, 33.7290, 88.1050

Conversions

Conversions Part 2

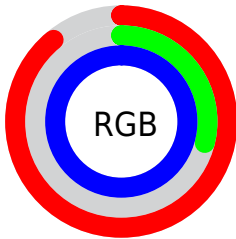
Format	Color
R_{YB}	227, 74, 253
Decimal	14895869
CIE _{Lab}	60.18, 80.17, -60.19
CIE _{LCh}	60, 100.255, 323.101
Yxy	28.3203, 0.2949, 0.1611
Android (android.graphics.Color)	4293085949 (0xFFE34AFD)
YUV	140.1530, 55.6336, 76.1648
Hunter-Lab	53.2168, 80.7573, -69.2934

Details

The Yxy color **28.3203, 0.2949, 0.1611** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **73.4373, 0.3117, 0.5500**, and the grayscale version is **26.0700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8079, 0.3181, 0.2144**, and **12.1556, 0.2847, 0.1342** is the 20% darker color. If you saturate the color by 10%, you get **25.0003, 0.2911, 0.1475**, and if you desaturate by 10%, it is **33.0127, 0.2985, 0.1790**.

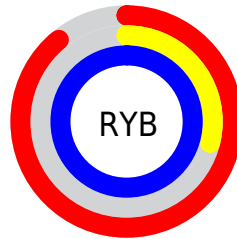
Distribution



Red (89%)

Green (29%)

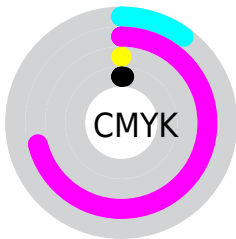
Blue (99%)



Red (89%)

Yellow (29%)

Blue (99%)

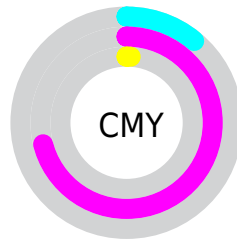


Cyan (10%)

Magenta (71%)

Yellow (0%)

Black (1%)



Cyan (11%)


Magenta (71%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3203, 0.2949, 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 28.3203, 0.2949, 0.1611 by changing the saturation by 10% instead.


 28.3203, 0.2949,
0.1611


 28.3203, 0.2949,
0.1611


293.9943, 0.3085,
0.2361

 18.5672, 0.2905,
0.1454


 56.9954, 0.3007,
0.1861


 11.3580, 0.2844,
0.1268


 76.6863, 0.3026,
0.1962

 6.3082, 0.2756,
0.1050


 100.4585, 0.3042,
0.2050

 3.0334, 0.2627,
0.0796

 128.6965, 0.3054,
0.2127

 1.1492, 0.2428,
0.0510

161.7847, 0.3064,
0.2195

 0.0196, 0.2155,
0.0016

200.1075, 0.3072,

 0.0000, 0.1607,

0.2257

0.0000

244.0492, 0.3079,
0.2311

■ 0.0000, 0.0000,
0.0000

■ 28.3203, 0.2949,
0.1611

■ 28.3203, 0.2949,
0.1611

■ 25.0003, 0.2911,
0.1475

■ 33.0127, 0.2985,
0.1790

■ 22.8752, 0.2873,
0.1385


■ 39.2192, 0.3019,
0.2005


■ 21.7168, 0.2837,
0.1337

■ 47.0676, 0.3048,
0.2246

■ 56.6712, 0.3074,
0.2503

■ 68.1333, 0.3095,
0.2765

 81.5489, 0.3113,
0.3023

 97.0068, 0.3126,
0.3273

99.8695, 0.3139,
0.3309

Harmonies

Analogous

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



28.3203, 0.1732, 0.1298



28.3203, 0.2949, 0.1611



28.3203, 0.4653, 0.2212

Triad

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



28.3203, 0.2949, 0.1611



28.3203, 0.5117, 0.4832



28.3203, 0.0944, 0.2672

Complementary

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



28.3203, 0.2949, 0.1611



73.4373, 0.3117, 0.5500

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.



28.3203, 0.1505, 0.4678



28.3203, 0.2949, 0.1611



28.3203, 0.3866, 0.5964

Square

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



28.3203, 0.2949, 0.1611



28.3203, 0.5967, 0.3789



28.3203, 0.2592, 0.6315



28.3203, 0.0854, 0.1649

Rectangle

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



28.3203, 0.2949, 0.1611



28.3203, 0.5623, 0.2709



28.3203, 0.2592, 0.6315



28.3203, 0.1068, 0.3239

Sweetspot

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



28.3215, 0.2949, 0.1611



69.0166, 0.3095, 0.2757



17.8389, 0.1825, 0.1292



14.0439, 0.3089, 0.2685



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.



28.3215, 0.2949, 0.1611



24.3878, 0.2895, 0.1431



29.5172, 0.3912, 0.2208



18.1587, 0.3115, 0.3054



11.6062, 0.2843, 0.1340



1.1650, 0.2888, 0.1364

Inverse Universe

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



26.7058, 0.5213, 0.3076



23.1015, 0.5809, 0.3118



73.4837, 0.2803, 0.4853



18.0301, 0.3271, 0.3256



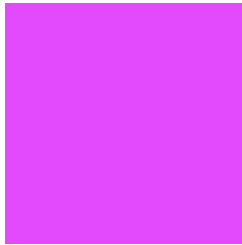
11.1917, 0.6208, 0.3193



1.1019, 0.5942, 0.3047

Previews

White Background



This preview shows how the Yxy color 28.3203, 0.2949, 0.1611 looks on a white background.

Color Contrast Check

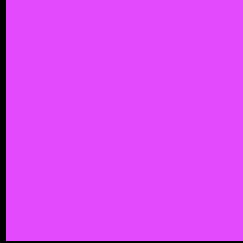
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3203, 0.2949, 0.1611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

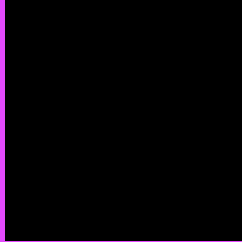
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3203, 0.2949, 0.1611

Background



This preview shows how black text looks on a background with the Yxy color 28.3203, 0.2949, 0.1611.



This preview shows how white text looks on a background with the Yxy color 28.3203, 0.2949, 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

28.3203, 0.2949, 0.1611

Protanopia

28.7901, 0.2011, 0.1807

Deuteranopia

28.7025, 0.2036, 0.1972



Tritanopia

27.9306, 0.4179, 0.3180

Trichromacy



Original Color

28.3203, 0.2949, 0.1611



Protanomaly

25.4538, 0.2229, 0.1618



Deuteranomaly

25.1764, 0.2245, 0.1703



Tritanomaly

26.8848, 0.3695, 0.2458

Monochromacy



Original Color

28.3203, 0.2949, 0.1611



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

24.5976, 0.3068, 0.2388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3203, 0.2949, 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(227, 74, 253)` looks like.

```
.text, #text, p{  
    color:rgb(227, 74, 253)  
}
```

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(227, 74, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 74, 253) }
```

Border

The CSS property to change the border of an element to Yxy 28.3203, 0.2949, 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(227, 74, 253) }
```

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

```
.border{ border-color:rgb(227, 74, 253) }
```

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

Here you see how a box with a 4 pixel rgb(227, 74, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 74, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 74, 253);  
box-shadow:4px 4px 4px 4px rgb(227, 74,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3203, 0.2949, 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(227, 74, 253) }
```

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

```
.background{ background-color: rgb(227, 74,  
253) }
```

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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