

Converting Colors

$Y_{xy}(27.8956, 0.2923, 0.1577)$

Have a look what the booklet for
Yxy(27.8956, 0.2923, 0.1577)
contains.

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Color

Yxy(27.8952, 0.2922, 0.1578)

Conversions

Conversions Part 1

Format	Color
Hex	E247FF
RGB	226, 71, 255
RGB Percent	89%, 28%, 100%
CMY	0.1138, 0.7213, 0.0002
CMYK	0.11, 0.72, 0.00, 0.00
HSL	291°, 100%, 64%
HSV	291°, 72%, 100%
XYZ	51.6538, 27.8952, 97.2266
YIQ	138.3210, 33.3160, 90.0840

Conversions

Conversions Part 2

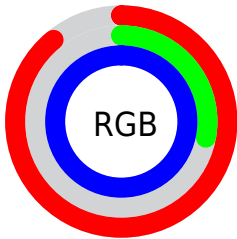
Format	Color
R _Y B	226, 71, 255
Decimal	14829567
CIE _{Lab}	59.79, 81.33, -61.91
CIE _{LCh}	60, 102.215, 322.720
Yxy	27.8952, 0.2922, 0.1578
Android (android.graphics.Color)	4293019647 (0xFFE247FF)
YUV	138.3210, 57.5227, 76.8945
Hunter-Lab	52.8159, 82.1448, -72.1734

Details

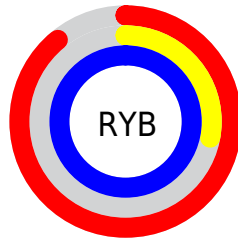
The Yxy color **27.8952, 0.2922, 0.1578** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **74.6556, 0.3123, 0.5532**, and the grayscale version is **25.3219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2551, 0.3182, 0.2128**, and **12.1382, 0.2812, 0.1323** is the 20% darker color. If you saturate the color by 10%, you get **24.6602, 0.2880, 0.1446**, and if you desaturate by 10%, it is **32.5072, 0.2962, 0.1754**.

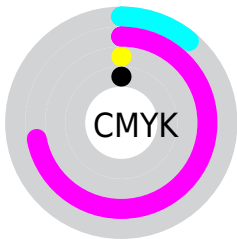
Distribution



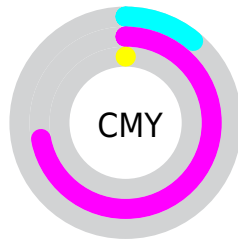
- Red (89%)
- Green (28%)
- Blue (100%)



- Red (89%)
- Yellow (28%)
- Blue (100%)



- Cyan (11%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)




- Cyan (11%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8952, 0.2922, 0.1578 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 27.8952, 0.2922, 0.1578 by changing the saturation by 10% instead.

 27.8952, 0.2922,
0.1578


 27.8952, 0.2922,
0.1578


291.9658, 0.3073,
0.2340


 18.2467, 0.2874,
0.1419


 56.3171, 0.2986,
0.1832

 11.1272, 0.2808,
0.1233


 75.8592, 0.3007,
0.1934


 6.1525, 0.2714,
0.1014


 99.4680, 0.3024,
0.2023

 2.9380, 0.2577,
0.0761

 127.5279, 0.3038,
0.2102

 1.0995, 0.2368,
0.0480

 160.4232, 0.3049,
0.2171

 0.0000, 0.2083,
0.0000

198.5384, 0.3058,

 0.0000, 0.1529,

0.2234

0.0000

242.2578, 0.3066,
0.2289

■ 0.0000, 0.0000,
0.0000

■ 27.8952, 0.2922,
0.1578

■ 27.8952, 0.2922,
0.1578

■ 24.6602, 0.2880,
0.1446

■ 32.5072, 0.2962,
0.1754

■ 22.6157, 0.2838,
0.1360

■ 38.6441, 0.3000,
0.1967

■ 21.6295, 0.2806,
0.1319

■ 46.4385, 0.3033,
0.2207

■ 56.0076, 0.3063,
0.2464

■ 67.4579, 0.3088,
0.2727

 80.8875, 0.3108,
0.2987

 96.3876, 0.3124,
0.3238

99.9968, 0.3127,
0.3290

Harmonies

Analogous

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



27.8952, 0.1696, 0.1267



27.8952, 0.2922, 0.1578



27.8952, 0.4665, 0.2181

Triad

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



27.8952, 0.2922, 0.1578



27.8952, 0.5154, 0.4826



27.8952, 0.0914, 0.2670

Complementary

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



27.8952, 0.2922, 0.1578



74.6556, 0.3123, 0.5532

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.



27.8952, 0.1479, 0.4744



27.8952, 0.2922, 0.1578



27.8952, 0.3872, 0.5995

Square

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



27.8952, 0.2922, 0.1578



27.8952, 0.6018, 0.3762



27.8952, 0.2579, 0.6405



27.8952, 0.0822, 0.1625

Rectangle

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



27.8952, 0.2922, 0.1578



27.8952, 0.5664, 0.2680



27.8952, 0.2579, 0.6405



27.8952, 0.1038, 0.3254

Sweetspot

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



27.8964, 0.2922, 0.1578



67.6425, 0.3088, 0.2730



18.0060, 0.1811, 0.1285



13.7709, 0.3082, 0.2658



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.



27.8964, 0.2922, 0.1578



23.5379, 0.2860, 0.1399



29.6453, 0.3894, 0.2171



18.1469, 0.3113, 0.3054



11.3613, 0.2813, 0.1323



1.1434, 0.2860, 0.1349

Inverse Universe

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



26.6867, 0.5246, 0.3058



22.7748, 0.5849, 0.3110



74.5059, 0.2814, 0.4930



18.0337, 0.3269, 0.3253



11.2033, 0.6182, 0.3179



1.1036, 0.5907, 0.3028

Previews

White Background



This preview shows how the Yxy color 27.8952, 0.2922, 0.1578 looks on a white background.

Color Contrast Check

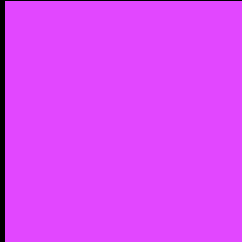
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8952, 0.2922, 0.1578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

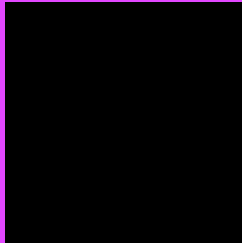
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8952, 0.2922, 0.1578

Background



This preview shows how black text looks on a background with the Yxy color 27.8952, 0.2922, 0.1578.

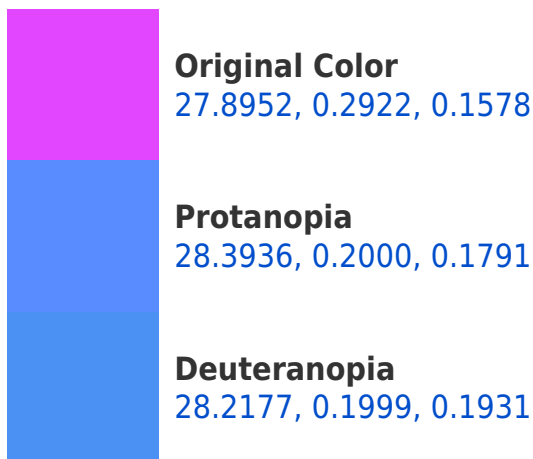


This preview shows how white text looks on a background with the Yxy color 27.8952, 0.2922, 0.1578.

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





Tritanopia

27.5268, 0.4186, 0.3180

Trichromacy



Original Color

27.8952, 0.2922, 0.1578



Protanomaly

25.1997, 0.2215, 0.1597



Deuteranomaly

24.4181, 0.2196, 0.1651



Tritanomaly

26.5400, 0.3685, 0.2444

Monochromacy



Original Color

27.8952, 0.2922, 0.1578



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

23.9169, 0.3046, 0.2355

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8952, 0.2922, 0.1578 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(226, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 71, 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(226, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 71, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.8952, 0.2922, 0.1578 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(226, 71, 255) }
```

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

```
.border{ border-color:rgb(226, 71, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 71, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 71, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 71, 255); box-shadow:4px 4px 4px 4px rgb(226, 71, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8952, 0.2922, 0.1578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 71, 255) }
```

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

```
.background{ background-color: rgb(226, 71,  
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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