

Converting Colors

Yxy(26.9940, 0.2823, 0.1560)

Have a look what the booklet for
Yxy(26.9940, 0.2823, 0.1560)
contains.

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Color

Yxy(27.1267, 0.2827, 0.1564)

Conversions

Conversions Part 1

Format	Color
Hex	D84DFF
RGB	216, 77, 255
RGB Percent	85%, 30%, 100%
CMY	0.1528, 0.6982, 0.0000
CMYK	0.15, 0.70, 0.00, 0.00
HSL	287°, 100%, 65%
HSV	287°, 70%, 100%
XYZ	49.0327, 27.1267, 97.2849
YIQ	138.8530, 25.7060, 84.8260

Conversions

Conversions Part 2

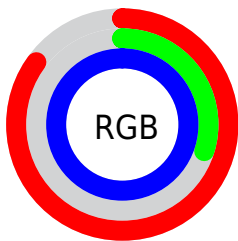
Format	Color
R _Y B	216, 77, 255
Decimal	14175743
CIE Lab	59.09, 77.34, -63.16
CIE LCh	59, 99.853, 320.761
Yxy	27.1267, 0.2827, 0.1564
Android (android.graphics.Color)	4292365823 (0xFFD84DFF)
YUV	138.8530, 57.2605, 67.6579
Hunter-Lab	52.0833, 76.8993, -74.2878

Details

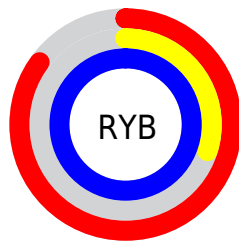
The Yxy color **27.1267, 0.2827, 0.1564** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **75.7636, 0.3178, 0.5437**, and the grayscale version is **25.5221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0883, 0.3181, 0.2153**, and **11.1993, 0.2698, 0.1260** is the 20% darker color. If you saturate the color by 10%, you get **23.3957, 0.2768, 0.1409**, and if you desaturate by 10%, it is **32.2820, 0.2885, 0.1762**.

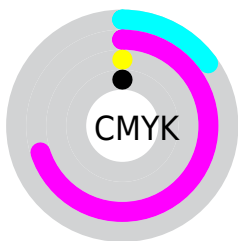
Distribution



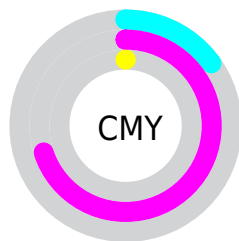
- Red (85%)
- Green (30%)
- Blue (100%)



- Red (85%)
- Yellow (30%)
- Blue (100%)



- Cyan (15%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)




- Cyan (15%)
- Magenta (70%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1267, 0.2827, 0.1564 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 27.1267, 0.2827, 0.1564 by changing the saturation by 10% instead.


 27.1267, 0.2827,
0.1564


 27.1267, 0.2827,
0.1564


288.2701, 0.3025,
0.2336


 17.6684, 0.2768,
0.1403


 55.0871, 0.2907,
0.1821

 10.7122, 0.2687,
0.1214


 74.3580, 0.2935,
0.1925

 5.8736, 0.2576,
0.0992


 97.6686, 0.2958,
0.2015

 2.7684, 0.2416,
0.0736

 125.4032, 0.2976,
0.2095

 1.0120, 0.2179,
0.0454

157.9463, 0.2992,
0.2165

 0.0000, 0.1852,
0.0000

195.6822, 0.3005,

 0.0000, 0.1274,


0.2228

0.0000


238.9953, 0.3016,
0.2285


 0.0000, 0.0000,
0.0000


 27.1267, 0.2827,
0.1564


 27.1267, 0.2827,
0.1564


 23.3957, 0.2768,
0.1409


 32.2820, 0.2885,
0.1762


 20.9173, 0.2708,
0.1301

 39.0106, 0.2940,
0.1994

 19.4112, 0.2651,
0.1234

 47.4395, 0.2989,
0.2249

 19.3873, 0.2650,
0.1233

 57.6836, 0.3033,
0.2516

 69.8473, 0.3070,
0.2784

 84.0274, 0.3102,
0.3045

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



27.1267, 0.1653, 0.1274



27.1267, 0.2827, 0.1564



27.1267, 0.4532, 0.2148

Triad

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



27.1267, 0.2827, 0.1564



27.1267, 0.5214, 0.4745



27.1267, 0.0954, 0.2785

Complementary

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



27.1267, 0.2827, 0.1564



75.7636, 0.3178, 0.5437

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.



27.1267, 0.1558, 0.4873



27.1267, 0.2827, 0.1564



27.1267, 0.3965, 0.5905

Square

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



27.1267, 0.2827, 0.1564



27.1267, 0.6024, 0.3712



27.1267, 0.2677, 0.6389



27.1267, 0.0835, 0.1685

Rectangle

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



27.1267, 0.2827, 0.1564



27.1267, 0.5555, 0.2641



27.1267, 0.2677, 0.6389



27.1267, 0.1090, 0.3388

Sweetspot

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



27.1258, 0.2827, 0.1564



68.3077, 0.3066, 0.2752



21.8720, 0.1882, 0.1489



13.8734, 0.3056, 0.2678



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.



27.1258, 0.2827, 0.1564



22.2186, 0.2743, 0.1358



31.0930, 0.3712, 0.2090



18.0880, 0.3103, 0.3053



10.1987, 0.2659, 0.1239



1.0403, 0.2725, 0.1275

Inverse Universe

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



27.8217, 0.4991, 0.2952



23.5315, 0.5562, 0.2990



74.5625, 0.2863, 0.5024



18.0522, 0.3260, 0.3238



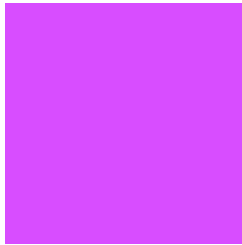
11.2750, 0.6028, 0.3095



1.1132, 0.5723, 0.2926

Previews

White Background



This preview shows how the Yxy color 27.1267, 0.2827, 0.1564 looks on a white background.

Color Contrast Check

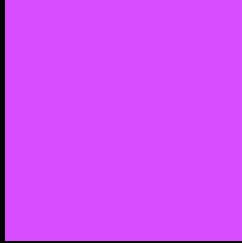
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1267, 0.2827, 0.1564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

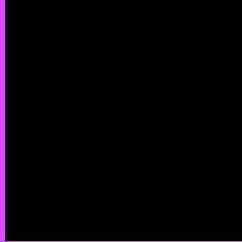
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1267, 0.2827, 0.1564

Background



This preview shows how black text looks on a background with the Yxy color 27.1267, 0.2827, 0.1564.



This preview shows how white text looks on a background with the Yxy color 27.1267, 0.2827, 0.1564.

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

27.1267, 0.2827, 0.1564

Protanopia

27.5701, 0.1973, 0.1758

Deuteranopia

27.6109, 0.1967, 0.1908



Tritanopia

26.7579, 0.4005, 0.3172

Trichromacy



Original Color

27.1267, 0.2827, 0.1564



Protanomaly

24.6163, 0.2167, 0.1578



Deuteranomaly

24.2133, 0.2141, 0.1651



Tritanomaly

25.9358, 0.3537, 0.2429

Monochromacy



Original Color

27.1267, 0.2827, 0.1564



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.0425, 0.3013, 0.2373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1267, 0.2827, 0.1564 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(216, 77, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 77, 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(216, 77, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 77, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.1267, 0.2827, 0.1564 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(216, 77, 255) }
```

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

```
.border{ border-color:rgb(216, 77, 255) }
```

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

Here you see how a box with a 4 pixel rgb(216, 77, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 77, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 77, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 77,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1267, 0.2827, 0.1564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 77, 255) }
```

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

```
.background{ background-color: rgb(216, 77,  
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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