

Converting Colors

$Y_{xy}(29.2026, 0.2806, 0.1583)$

Have a look what the booklet for
Yxy(29.2026, 0.2806, 0.1583)
contains.

Yxy(28.7763, 0.2866, 0.1626)	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(28.7763, 0.2866, 0.1626)

Conversions

Conversions Part 1

Format	Color
Hex	DC54FF
RGB	220, 84, 255
RGB Percent	86%, 33%, 100%
CMY	0.1375, 0.6703, 0.0000
CMYK	0.14, 0.67, 0.00, 0.00
HSL	288°, 100%, 66%
HSV	288°, 67%, 100%
XYZ	50.7213, 28.7763, 97.4784
YIQ	144.1580, 26.1650, 82.0130

Conversions

Conversions Part 2

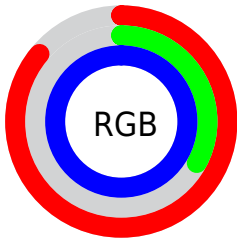
Format	Color
R _Y B	220, 84, 255
Decimal	14439679
CIE Lab	60.58, 75.46, -60.72
CIE LCh	61, 96.852, 321.178
Yxy	28.7763, 0.2866, 0.1626
Android (android.graphics.Color)	4292629759 (0xFFDC54FF)
YUV	144.1580, 54.6451, 66.5134
Hunter-Lab	53.6435, 74.9000, -70.1884

Details

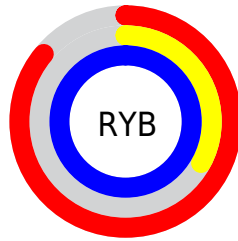
The Yxy color **28.7763, 0.2866, 0.1626** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **76.0832, 0.3173, 0.5366**, and the grayscale version is **27.7338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1249, 0.3178, 0.2213**, and **11.6083, 0.2749, 0.1288** is the 20% darker color. If you saturate the color by 10%, you get **24.7074, 0.2811, 0.1461**, and if you desaturate by 10%, it is **34.3131, 0.2919, 0.1832**.

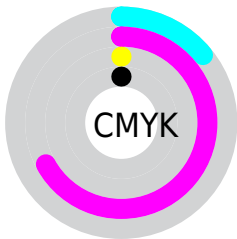
Distribution



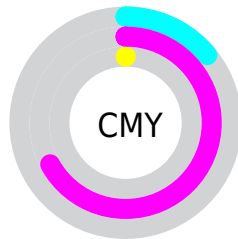
- Red (86%)
- Green (33%)
- Blue (100%)



- Red (86%)
- Yellow (33%)
- Blue (100%)



- Cyan (14%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7763, 0.2866, 0.1626 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 28.7763, 0.2866, 0.1626 by changing the saturation by 10% instead.

 28.7763, 0.2866,
0.1626


 28.7763, 0.2866,
0.1626


296.1580, 0.3041,
0.2371

 18.9117, 0.2813,
0.1469


 57.7215, 0.2937,
0.1875


 11.6065, 0.2741,
0.1285


 77.5708, 0.2962,
0.1975

 6.4763, 0.2641,
0.1067


 101.5172, 0.2982,
0.2062

 3.1368, 0.2497,
0.0813

 129.9449, 0.2998,
0.2139

 1.2036, 0.2280,
0.0526

163.2385, 0.3012,
0.2207

 0.0646, 0.1982,
0.0053

201.7823, 0.3023,

 0.0000, 0.1432,

0.2267

0.0000

245.9606, 0.3033,
0.2322

■ 0.0000, 0.0000,
0.0000

■ 28.7763, 0.2866,
0.1626

■ 28.7763, 0.2866,
0.1626

■ 24.7074, 0.2811,
0.1461

■ 34.3131, 0.2919,
0.1832

■ 21.9378, 0.2755,
0.1342

■ 41.4547, 0.2968,
0.2069


■ 20.2582, 0.2701,
0.1269

■ 50.3260, 0.3012,
0.2326

■ 19.8752, 0.2685,
0.1253

■ 61.0388, 0.3051,
0.2592

■ 73.6951, 0.3084,
0.2858

 88.3895, 0.3111,
0.3116

99.9992, 0.3127,
0.3290

Harmonies

Analogous

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



28.7763, 0.1718, 0.1336



28.7763, 0.2866, 0.1626



28.7763, 0.4494, 0.2203

Triad

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



28.7763, 0.2866, 0.1626



28.7763, 0.5150, 0.4749



28.7763, 0.1021, 0.2802

Complementary

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



28.7763, 0.2866, 0.1626



76.0832, 0.3173, 0.5366

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.



28.7763, 0.1619, 0.4759



28.7763, 0.2866, 0.1626



28.7763, 0.3963, 0.5836

Square

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



28.7763, 0.2866, 0.1626



28.7763, 0.5923, 0.3755



28.7763, 0.2714, 0.6219



28.7763, 0.0900, 0.1742

Rectangle

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



28.7763, 0.2866, 0.1626



28.7763, 0.5461, 0.2690



28.7763, 0.2714, 0.6219



28.7763, 0.1158, 0.3372

Sweetspot

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



28.7775, 0.2866, 0.1626



69.7363, 0.3075, 0.2780



22.8061, 0.1919, 0.1532



14.1576, 0.3066, 0.2705



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.



28.7775, 0.2866, 0.1626



23.7602, 0.2794, 0.1421



32.0923, 0.3715, 0.2143



18.1013, 0.3105, 0.3053



10.4519, 0.2694, 0.1258



1.0629, 0.2755, 0.1292

Inverse Universe

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



28.9433, 0.4910, 0.2976



24.4148, 0.5447, 0.2996



75.0799, 0.2853, 0.4910



18.0480, 0.3262, 0.3241



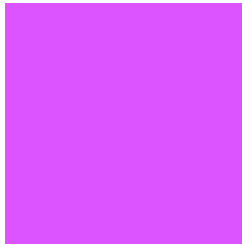
11.2567, 0.6066, 0.3116



1.1109, 0.5767, 0.2950

Previews

White Background



This preview shows how the Yxy color 28.7763, 0.2866, 0.1626 looks on a white background.

Color Contrast Check

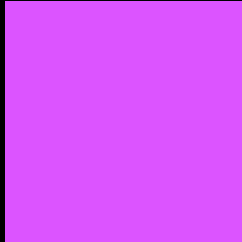
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7763, 0.2866, 0.1626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

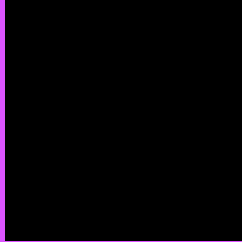
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7763, 0.2866, 0.1626

Background



This preview shows how black text looks on a background with the Yxy color 28.7763, 0.2866, 0.1626.



This preview shows how white text looks on a background with the Yxy color 28.7763, 0.2866, 0.1626.

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

28.7763, 0.2866, 0.1626

Protanopia

29.2446, 0.2027, 0.1825

Deuteranopia

29.1046, 0.2021, 0.1956



Tritanopia

28.5284, 0.3993, 0.3175

Trichromacy



Original Color

28.7763, 0.2866, 0.1626



Protanomaly

26.7145, 0.2233, 0.1665



Deuteranomaly

26.0179, 0.2211, 0.1716



Tritanomaly

27.6669, 0.3538, 0.2466

Monochromacy



Original Color

28.7763, 0.2866, 0.1626



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

26.1504, 0.3036, 0.2434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7763, 0.2866, 0.1626 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(220, 84, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 84, 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(220, 84, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 84, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.7763, 0.2866, 0.1626 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(220, 84, 255) }
```

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

```
.border{ border-color:rgb(220, 84, 255) }
```

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

Here you see how a box with a 4 pixel rgb(220, 84, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 84, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 84, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 84,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7763, 0.2866, 0.1626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 84, 255) }
```

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

```
.background{ background-color: rgb(220, 84,  
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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