

Converting Colors

Yxy(29.8858, 0.2828, 0.1724)

Have a look what the booklet for
Yxy(29.8858, 0.2828, 0.1724)
contains.

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Color

Yxy(29.8858, 0.2828, 0.1724)

Conversions

Conversions Part 1

Format	Color
Hex	D463FB
RGB	212, 99, 251
RGB Percent	83%, 39%, 98%
CMY	0.1686, 0.6117, 0.0157
CMYK	0.16, 0.61, 0.00, 0.02
HSL	285°, 95%, 69%
HSV	285°, 61%, 98%
XYZ	49.0238, 29.8858, 94.4419
YIQ	150.1150, 18.5560, 71.2280

Conversions

Conversions Part 2

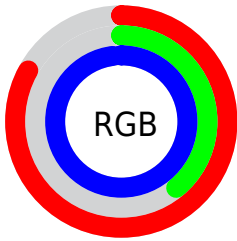
Format	Color
R _Y B	212, 99, 251
Decimal	13919227
CIE Lab	61.56, 66.69, -57.02
CIE LCh	62, 87.744, 319.471
Yxy	29.8858, 0.2828, 0.1724
Android (android.graphics.Color)	4292109307 (0xFFD463FB)
YUV	150.1150, 49.7363, 54.2731
Hunter-Lab	54.6679, 64.4022, -64.1593

Details

The Yxy color **29.8858, 0.2828, 0.1724** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **75.2918, 0.3227, 0.5144**, and the grayscale version is **30.3316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9227, 0.3173, 0.2320**, and **12.2827, 0.2699, 0.1392** is the 20% darker color. If you saturate the color by 10%, you get **24.9091, 0.2759, 0.1521**, and if you desaturate by 10%, it is **36.3802, 0.2894, 0.1961**.

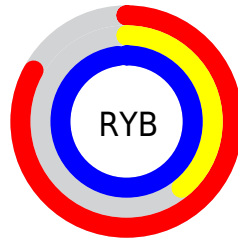
Distribution



Red (83%)

Green (39%)

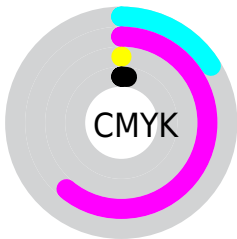
Blue (98%)



Red (83%)

Yellow (39%)

Blue (98%)

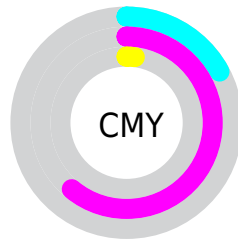


Cyan (16%)

Magenta (61%)

Yellow (0%)

Black (2%)



Cyan (17%)

Magenta (61%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8858, 0.2828, 0.1724 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 29.8858, 0.2828, 0.1724 by changing the saturation by 10% instead.


 29.8858, 0.2828,
0.1724


 29.8858, 0.2828,
0.1724


301.3718, 0.3016,
0.2434

 19.7519, 0.2773,
0.1572


 59.4815, 0.2903,
0.1964


 12.2148, 0.2699,
0.1390


 79.7122, 0.2929,
0.2059

 6.8902, 0.2597,
0.1174


 104.0772, 0.2951,
0.2142

 3.3935, 0.2451,
0.0916

 132.9610, 0.2968,
0.2215

 1.3405, 0.2232,
0.0617

166.7479, 0.2983,
0.2280

 0.1722, 0.1921,
0.0151

205.8225, 0.2996,

 0.0000, 0.1365,

0.2337

0.0000

250.5689, 0.3006,
0.2388

■ 0.0000, 0.0000,
0.0000

■ 29.8858, 0.2828,
0.1724

■ 29.8858, 0.2828,
0.1724

■ 24.9091, 0.2759,
0.1521

■ 36.3802, 0.2894,
0.1961

■ 21.3041, 0.2689,
0.1361

■ 44.5131, 0.2954,
0.2221

■ 18.9017, 0.2619,
0.1249

■ 54.3970, 0.3007,
0.2491

■ 17.4787, 0.2556,
0.1182

■ 66.1332, 0.3054,
0.2762

■ 79.8154, 0.3093,
0.3026

95.5309, 0.3126,
0.3277

99.7443, 0.3150,
0.3328

Harmonies

Analogous

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



29.8858, 0.1787, 0.1462



29.8858, 0.2828, 0.1724



29.8858, 0.4280, 0.2261

Triad

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



29.8858, 0.2828, 0.1724



29.8858, 0.5106, 0.4667



29.8858, 0.1200, 0.2962

Complementary

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



29.8858, 0.2828, 0.1724



75.2918, 0.3227, 0.5144

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.



29.8858, 0.1822, 0.4694



29.8858, 0.2828, 0.1724



29.8858, 0.4051, 0.5610

Square

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



29.8858, 0.2828, 0.1724



29.8858, 0.5728, 0.3757



29.8858, 0.2880, 0.5907



29.8858, 0.1041, 0.1920

Rectangle

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



29.8858, 0.2828, 0.1724



29.8858, 0.5168, 0.2725



29.8858, 0.2880, 0.5907



29.8858, 0.1349, 0.3487

Sweetspot

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



29.8870, 0.2828, 0.1724



71.9647, 0.3064, 0.2830



28.2390, 0.2054, 0.1820



14.5694, 0.3052, 0.2752



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.



29.8870, 0.2828, 0.1724



24.7584, 0.2741, 0.1476



34.3663, 0.3553, 0.2158



17.2873, 0.3097, 0.3053



9.2618, 0.2567, 0.1188



0.9084, 0.2646, 0.1232

Inverse Universe

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



31.2678, 0.4538, 0.2906



26.7729, 0.5019, 0.2887



73.3752, 0.2895, 0.4830



17.2983, 0.3253, 0.3229



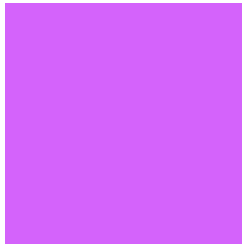
10.9973, 0.5913, 0.3031



1.0350, 0.5580, 0.2848

Previews

White Background



This preview shows how the Yxy color 29.8858, 0.2828, 0.1724 looks on a white background.

Color Contrast Check

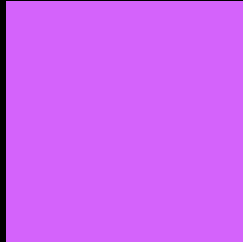
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8858, 0.2828, 0.1724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

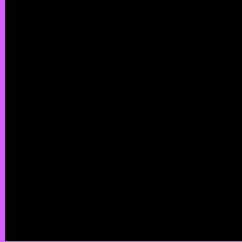
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8858, 0.2828, 0.1724

Background



This preview shows how black text looks on a background with the Yxy color 29.8858, 0.2828, 0.1724.

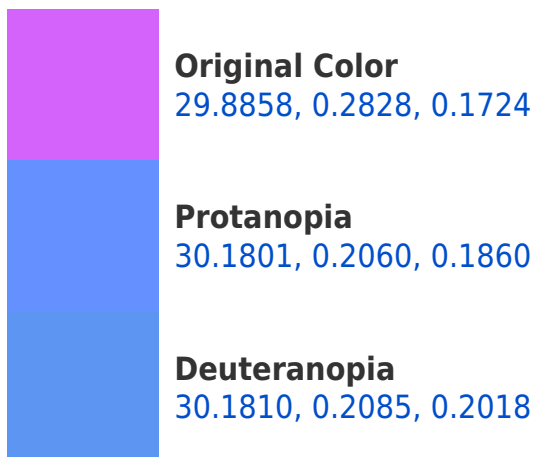


This preview shows how white text looks on a background with the Yxy color 29.8858, 0.2828, 0.1724.

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

29.5945, 0.3786, 0.3157

Trichromacy



Original Color

29.8858, 0.2828, 0.1724



Protanomaly

28.2568, 0.2257, 0.1743



Deuteranomaly

28.0594, 0.2275, 0.1837



Tritanomaly

29.0455, 0.3409, 0.2527

Monochromacy



Original Color

29.8858, 0.2828, 0.1724



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

28.7047, 0.3017, 0.2523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8858, 0.2828, 0.1724 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(212, 99, 251)` looks like.

```
.text, #text, p{  
    color:rgb(212, 99, 251)  
}
```

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(212, 99, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 99, 251) }
```

Border

The CSS property to change the border of an element to Yxy 29.8858, 0.2828, 0.1724 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(212, 99, 251) }
```

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

```
.border{ border-color:rgb(212, 99, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 99, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 99, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 99, 251);  
box-shadow:4px 4px 4px 4px rgb(212, 99,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8858, 0.2828, 0.1724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 99, 251) }
```

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

```
.background{ background-color: rgb(212, 99,  
251) }
```

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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