

Converting Colors

$Y_{xy}(29.3251, 0.2887, 0.1637)$

Have a look what the booklet for
Yxy(29.3251, 0.2887, 0.1637)
contains.

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Color

Yxy(29.2486, 0.2895, 0.1639)

Conversions

Conversions Part 1

Format	Color
Hex	DF54FF
RGB	223, 84, 255
RGB Percent	87%, 33%, 100%
CMY	0.1253, 0.6707, 0.0000
CMYK	0.13, 0.67, 0.00, 0.00
HSL	289°, 100%, 66%
HSV	289°, 67%, 100%
XYZ	51.6624, 29.2486, 97.5429
YIQ	145.0550, 27.9530, 82.6490

Conversions

Conversions Part 2

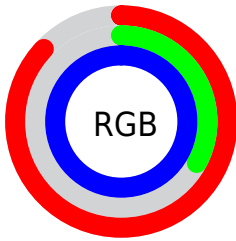
Format	Color
R _Y B	223, 84, 255
Decimal	14636287
CIE Lab	61.00, 76.15, -60.04
CIE LCh	61, 96.976, 321.747
Yxy	29.2486, 0.2895, 0.1639
Android (android.graphics.Color)	4292826367 (0xFFDF54FF)
YUV	145.0550, 54.2029, 68.3578
Hunter-Lab	54.0820, 75.8707, -69.0788

Details

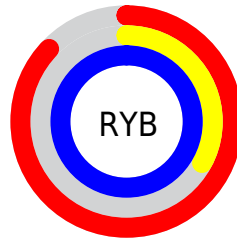
The Yxy color **29.2486, 0.2895, 0.1639** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **75.8669, 0.3158, 0.5377**, and the grayscale version is **28.1010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1249, 0.3178, 0.2213**, and **11.9237, 0.2787, 0.1309** is the 20% darker color. If you saturate the color by 10%, you get **25.2407, 0.2845, 0.1478**, and if you desaturate by 10%, it is **34.7178, 0.2943, 0.1841**.

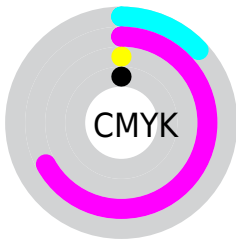
Distribution



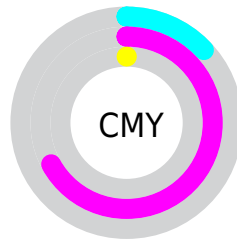
- Red (87%)
- Green (33%)
- Blue (100%)



- Red (87%)
- Yellow (33%)
- Blue (100%)



- Cyan (13%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2486, 0.2895, 0.1639 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 29.2486, 0.2895, 0.1639 by changing the saturation by 10% instead.


 29.2486, 0.2895,
0.1639


 29.2486, 0.2895,
0.1639


298.3861, 0.3055,
0.2377


 19.2690, 0.2846,
0.1484


 58.4718, 0.2961,
0.1886


 11.8648, 0.2779,
0.1301


 78.4842, 0.2983,
0.1985

 6.6517, 0.2685,
0.1084


 102.6096, 0.3002,
0.2071

 3.2452, 0.2548,
0.0831

 131.2325, 0.3016,
0.2147

 1.2611, 0.2342,
0.0544

164.7372, 0.3029,
0.2214

 0.1108, 0.2053,
0.0090

203.5081, 0.3039,


 0.0000, 0.1519,


0.2275


0.0000

247.9296, 0.3047,
0.2328

 0.0000, 0.0000,
0.0000


 29.2486, 0.2895,
0.1639


 29.2486, 0.2895,
0.1639


 25.2407, 0.2845,
0.1478

 34.7178, 0.2943,
0.1841


 22.5282, 0.2795,
0.1363


 41.7881, 0.2987,
0.2074


 20.9003, 0.2745,
0.1294

 50.5836, 0.3026,
0.2329

 20.5362, 0.2731,
0.1278

 61.2158, 0.3060,
0.2593

 73.7869, 0.3089,
0.2858

 88.3914, 0.3113,
0.3115

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.



29.2486, 0.1738, 0.1344



29.2486, 0.2895, 0.1639



29.2486, 0.4520, 0.2220

Triad

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



29.2486, 0.2895, 0.1639



29.2486, 0.5127, 0.4768



29.2486, 0.1021, 0.2777

Complementary

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



29.2486, 0.2895, 0.1639



75.8669, 0.3158, 0.5377

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.



29.2486, 0.1609, 0.4712



29.2486, 0.2895, 0.1639



29.2486, 0.3941, 0.5847

Square

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



29.2486, 0.2895, 0.1639



29.2486, 0.5907, 0.3774



29.2486, 0.2695, 0.6197



29.2486, 0.0906, 0.1735

Rectangle

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



29.2486, 0.2895, 0.1639



29.2486, 0.5474, 0.2707



29.2486, 0.2695, 0.6197



29.2486, 0.1154, 0.3337

Sweetspot

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



29.2488, 0.2895, 0.1639



69.9029, 0.3081, 0.2781



22.0994, 0.1909, 0.1496



14.1980, 0.3073, 0.2706



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.



29.2488, 0.2895, 0.1639



24.3213, 0.2831, 0.1440



31.9391, 0.3750, 0.2167



18.1187, 0.3108, 0.3054



10.7922, 0.2739, 0.1283



1.0931, 0.2796, 0.1314

Inverse Universe

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



28.8535, 0.4955, 0.3007



24.3509, 0.5500, 0.3028



75.1599, 0.2841, 0.4875



18.0425, 0.3265, 0.3246



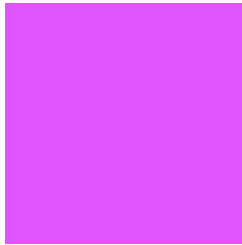
11.2346, 0.6114, 0.3141



1.1080, 0.5822, 0.2981

Previews

White Background



This preview shows how the Yxy color 29.2486, 0.2895, 0.1639 looks on a white background.

Color Contrast Check

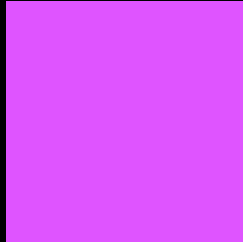
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2486, 0.2895, 0.1639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

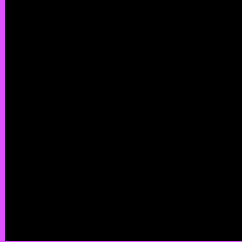
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2486, 0.2895, 0.1639

Background



This preview shows how black text looks on a background with the Yxy color 29.2486, 0.2895, 0.1639.

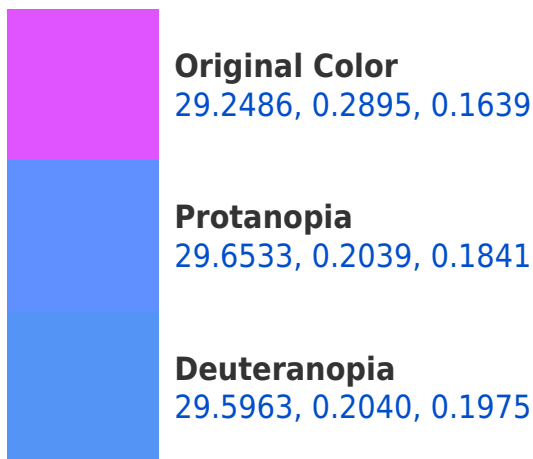


This preview shows how white text looks on a background with the Yxy color 29.2486, 0.2895, 0.1639.

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

28.9537, 0.4027, 0.3177

Trichromacy



Original Color

29.2486, 0.2895, 0.1639



Protanomaly

26.8899, 0.2247, 0.1671



Deuteranomaly

26.5954, 0.2240, 0.1738



Tritanomaly

28.1087, 0.3572, 0.2475

Monochromacy



Original Color

29.2486, 0.2895, 0.1639



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

26.5529, 0.3037, 0.2438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2486, 0.2895, 0.1639 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(223, 84, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 84, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 84, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.2486, 0.2895, 0.1639 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(223, 84, 255) }
```

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

```
.border{ border-color:rgb(223, 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(223, 84, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 84, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 84, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 84,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2486, 0.2895, 0.1639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 84, 255) }
```

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

```
.background{ background-color: rgb(223, 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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