

Converting Colors

$Y_{xy}(29.8759, 0.2893, 0.1708)$

Have a look what the booklet for
Yxy(29.8759, 0.2893, 0.1708)
contains.

Yxy(29.8538, 0.2892, 0.1708)	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(29.8538, 0.2892, 0.1708)

Conversions

Conversions Part 1

Format	Color
Hex	DB5DFB
RGB	219, 93, 251
RGB Percent	86%, 36%, 98%
CMY	0.1411, 0.6354, 0.0156
CMYK	0.13, 0.63, 0.00, 0.02
HSL	288°, 95%, 67%
HSV	288°, 63%, 98%
XYZ	50.5487, 29.8538, 94.3856
YIQ	148.6860, 24.3780, 75.8500

Conversions

Conversions Part 2

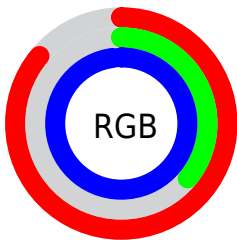
Format	Color
R _Y B	219, 93, 251
Decimal	14376443
CIE Lab	61.53, 70.93, -57.03
CIE LCh	62, 91.010, 321.199
Yxy	29.8538, 0.2892, 0.1708
Android (android.graphics.Color)	4292566523 (0xFFDB5DFB)
YUV	148.6860, 50.4408, 61.6654
Hunter-Lab	54.6386, 69.5209, -64.1735

Details

The Yxy color **29.8538, 0.2892, 0.1708** 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 **74.1583, 0.3178, 0.5245**, and the grayscale version is **29.6911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2927, 0.3175, 0.2275**, and **12.1991, 0.2771, 0.1372** is the 20% darker color. If you saturate the color by 10%, you get **25.3731, 0.2838, 0.1526**, and if you desaturate by 10%, it is **35.8064, 0.2943, 0.1927**.

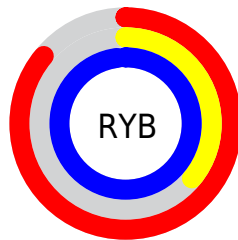
Distribution



Red (86%)

Green (36%)

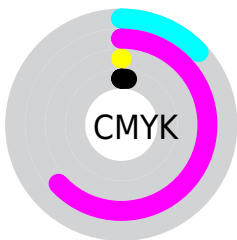
Blue (98%)



Red (86%)

Yellow (36%)

Blue (98%)

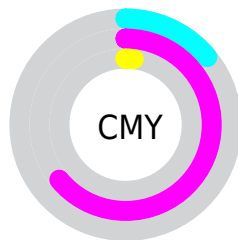


Cyan (13%)

Magenta (63%)

Yellow (0%)

Black (2%)



Cyan (14%)


Magenta (64%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8538, 0.2892, 0.1708 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 29.8538, 0.2892, 0.1708 by changing the saturation by 10% instead.


 29.8538, 0.2892,
0.1708


 29.8538, 0.2892,
0.1708


301.2224, 0.3049,
0.2422


 19.7276, 0.2844,
0.1555


 59.4309, 0.2956,
0.1948


 12.1972, 0.2779,
0.1374


 79.6506, 0.2979,
0.2044

 6.8781, 0.2687,
0.1159


 104.0037, 0.2997,
0.2128

 3.3860, 0.2553,
0.0903

 132.8744, 0.3011,
0.2201

 1.3364, 0.2350,
0.0606

166.6473, 0.3023,
0.2266

 0.1691, 0.2060,
0.0146

205.7066, 0.3033,


 0.0000, 0.1524,

0.2324


0.0000

250.4369, 0.3042,
0.2376

 0.0000, 0.0000,
0.0000


 29.8538, 0.2892,
0.1708


 29.8538, 0.2892,
0.1708


 25.3731, 0.2838,
0.1526


 35.8064, 0.2943,
0.1927


 22.2127, 0.2784,
0.1389

 43.3551, 0.2989,
0.2173

 20.1946, 0.2729,
0.1298

 52.6152, 0.3031,
0.2435

 19.2737, 0.2692,
0.1256

 63.6899, 0.3066,
0.2702

 76.6745, 0.3096,
0.2965

91.6574, 0.3121,
0.3218

99.6714, 0.3148,
0.3328

99.7466, 0.3150,
0.3328

Harmonies

Analogous

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



29.8538, 0.1795, 0.1425



29.8538, 0.2892, 0.1708



29.8538, 0.4407, 0.2268

Triad

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



29.8538, 0.2892, 0.1708



29.8538, 0.5086, 0.4734



29.8538, 0.1127, 0.2855

Complementary

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



29.8538, 0.2892, 0.1708



74.1583, 0.3178, 0.5245

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.



29.8538, 0.1723, 0.4643



29.8538, 0.2892, 0.1708



29.8538, 0.3981, 0.5716

Square

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



29.8538, 0.2892, 0.1708



29.8538, 0.5782, 0.3792



29.8538, 0.2782, 0.5989



29.8538, 0.0995, 0.1836

Rectangle

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



29.8538, 0.2892, 0.1708



29.8538, 0.5305, 0.2743



29.8538, 0.2782, 0.5989



29.8538, 0.1266, 0.3385

Sweetspot

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



29.8551, 0.2892, 0.1708



71.0747, 0.3079, 0.2806



24.5280, 0.1989, 0.1651



14.4192, 0.3070, 0.2730



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.



29.8551, 0.2892, 0.1708



25.1416, 0.2821, 0.1478



32.8065, 0.3666, 0.2192



17.3367, 0.3105, 0.3054



10.1922, 0.2701, 0.1261



0.9873, 0.2764, 0.1296

Inverse Universe

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



29.8184, 0.4746, 0.2986



25.5475, 0.5291, 0.2988



73.1641, 0.2858, 0.4797



17.2827, 0.3262, 0.3242



10.9218, 0.6071, 0.3118



1.0260, 0.5756, 0.2944

Previews

White Background



This preview shows how the Yxy color 29.8538, 0.2892, 0.1708 looks on a white background.

Color Contrast Check

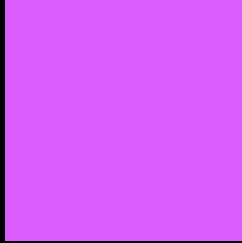
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8538, 0.2892, 0.1708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

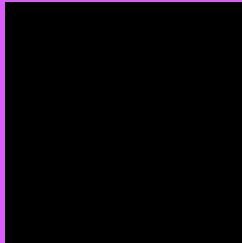
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8538, 0.2892, 0.1708

Background



This preview shows how black text looks on a background with the Yxy color 29.8538, 0.2892, 0.1708.



This preview shows how white text looks on a background with the Yxy color 29.8538, 0.2892, 0.1708.

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

29.8538, 0.2892, 0.1708

Protanopia

30.1234, 0.2055, 0.1858

Deuteranopia

30.1729, 0.2094, 0.2029



Tritanopia

29.6528, 0.3925, 0.3175

Trichromacy



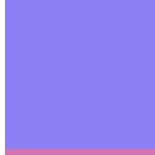
Original Color

29.8538, 0.2892, 0.1708



Protanomaly

27.9171, 0.2267, 0.1725



Deuteranomaly

27.7821, 0.2291, 0.1820



Tritanomaly

29.0311, 0.3516, 0.2523

Monochromacy



Original Color

29.8538, 0.2892, 0.1708



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.2444, 0.3037, 0.2510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8538, 0.2892, 0.1708 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(219, 93, 251)` looks like.

```
.text, #text, p{  
    color:rgb(219, 93, 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(219, 93, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 93, 251) }
```

Border

The CSS property to change the border of an element to Yxy 29.8538, 0.2892, 0.1708 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(219, 93, 251) }
```

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

```
.border{ border-color:rgb(219, 93, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 93, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 93, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 93, 251);  
box-shadow:4px 4px 4px 4px rgb(219, 93,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8538, 0.2892, 0.1708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 93, 251) }
```

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

```
.background{ background-color: rgb(219, 93,  
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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