

Converting Colors

$Y_{xy}(42.9004, 0.2798, 0.2291)$

Have a look what the booklet for
Yxy(42.9004, 0.2798, 0.2291)
contains.

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Color

Yxy(42.9859, 0.2796, 0.2295)

Conversions

Conversions Part 1

Format	Color
Hex	C89DF5
RGB	200, 157, 245
RGB Percent	78%, 62%, 96%
CMY	0.2155, 0.3844, 0.0391
CMYK	0.18, 0.36, 0.00, 0.04
HSL	269°, 82%, 79%
HSV	269°, 36%, 96%
XYZ	52.3698, 42.9859, 91.9467
YIQ	179.8890, -2.6200, 36.4840

Conversions

Conversions Part 2

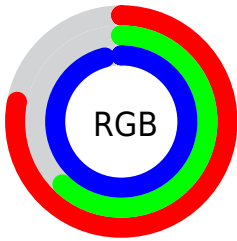
Format	Color
R _Y B	200, 157, 245
Decimal	13147637
CIE Lab	71.55, 32.55, -38.10
CIE LCh	72, 50.114, 310.512
Yxy	42.9859, 0.2796, 0.2295
Android (android.graphics.Color)	4291337717 (0xFFC89DF5)
YUV	179.8890, 32.0997, 17.6373
Hunter-Lab	65.5636, 27.8427, -37.2540

Details

The Yxy color $42.9859, 0.2796, 0.2295$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $80.3089, 0.3366, 0.4284$, and the grayscale version is $45.4076, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.5670, 0.3147, 0.2871$, and $19.7537, 0.2700, 0.2067$ is the 20% darker color. If you saturate the color by 10%, you get $33.8583, 0.2675, 0.1994$, and if you desaturate by 10%, it is $53.9206, 0.2905, 0.2593$.

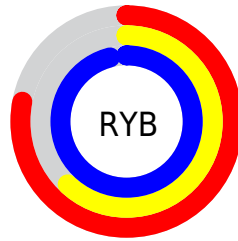
Distribution



Red (78%)

Green (62%)

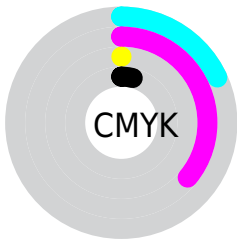
Blue (96%)



Red (78%)

Yellow (62%)

Blue (96%)

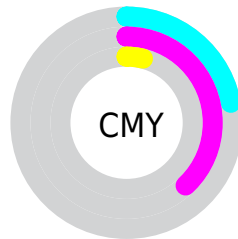


Cyan (18%)

Magenta (36%)

Yellow (0%)

Black (4%)



Cyan (22%)


Magenta (38%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9859, 0.2796, 0.2295 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 42.9859, 0.2796, 0.2295 by changing the saturation by 10% instead.

 42.9859, 0.2796,
0.2295


 42.9859, 0.2796,
0.2295

358.5538, 0.2971,
0.2759

 29.8741, 0.2751,
0.2190


 79.6896, 0.2861,
0.2455

 19.7430, 0.2693,
0.2061


 104.0502, 0.2885,
0.2518

 12.2084, 0.2615,
0.1900


132.9292, 0.2905,
0.2572

 6.8858, 0.2507,
0.1695


166.7110, 0.2922,
0.2619

 3.3908, 0.2349,
0.1426

205.7799, 0.2937,
0.2660

 1.3390, 0.2105,
0.1071

250.5205, 0.2950,

 0.1711, 0.1757,

0.2697

0.0312

301.3169, 0.2961,
0.2729

0.0000, 0.0000,
0.0000

42.9859, 0.2796,
0.2295

42.9859, 0.2796,
0.2295

33.8583, 0.2675,
0.1994

53.9206, 0.2905,
0.2593

26.4291, 0.2544,
0.1701

66.7520, 0.3001,
0.2877

20.5860, 0.2408,
0.1432

81.5699, 0.3084,
0.3143

16.2002, 0.2272,
0.1202

98.4568, 0.3154,
0.3386

13.1217, 0.2144,
0.1024

99.3744, 0.3185,
0.3386

■ 11.1654, 0.2028,
0.0904

■ 10.5760, 0.1985,
0.0867

Harmonies

Analogous

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



42.9859, 0.2238, 0.2192



42.9859, 0.2796, 0.2295



42.9859, 0.3520, 0.2600

Triad

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



42.9859, 0.2796, 0.2295



42.9859, 0.4445, 0.4106



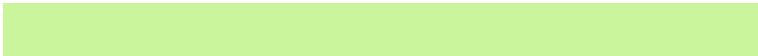
42.9859, 0.2137, 0.3420

Complementary

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



42.9859, 0.2796, 0.2295



80.3089, 0.3366, 0.4284

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.



42.9859, 0.2649, 0.4163



42.9859, 0.2796, 0.2295



42.9859, 0.3985, 0.4513

Square

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



42.9859, 0.2796, 0.2295



42.9859, 0.4540, 0.3579



42.9859, 0.3326, 0.4587



42.9859, 0.1894, 0.2742

Rectangle

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



42.9859, 0.2796, 0.2295



42.9859, 0.3992, 0.2889



42.9859, 0.3326, 0.4587



42.9859, 0.2280, 0.3679

Sweetspot

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



42.9877, 0.2796, 0.2295



80.7733, 0.3044, 0.3010



56.2243, 0.2551, 0.2778



16.8221, 0.3032, 0.2974



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.



42.9877, 0.2796, 0.2295



39.7170, 0.2710, 0.2079



49.8572, 0.3157, 0.2396



16.3245, 0.3056, 0.3051



5.7778, 0.2002, 0.0876



0.5688, 0.2138, 0.0951

Inverse Universe

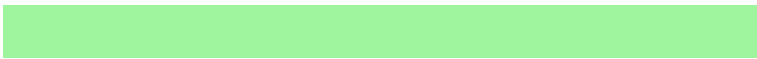
The Inverse Universe completely reimagines the original color for something new.



47.7884, 0.3550, 0.2810



45.8525, 0.3671, 0.2714



75.0716, 0.3085, 0.4375



16.6239, 0.3213, 0.3170



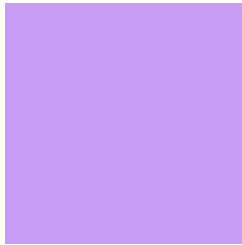
11.2861, 0.4914, 0.2481



1.0127, 0.4642, 0.2331

Previews

White Background



This preview shows how the Yxy color 42.9859, 0.2796, 0.2295 looks on a white background.

Color Contrast Check

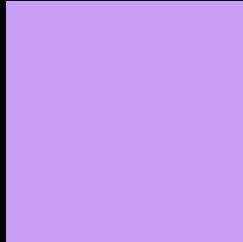
Large Text (above 18pt) WCAG AA × Fail

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 42.9859, 0.2796, 0.2295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

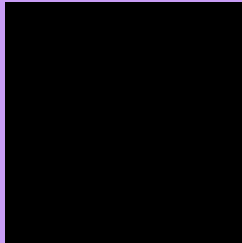
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.9859, 0.2796, 0.2295

Background



This preview shows how black text looks on a background with the Yxy color 42.9859, 0.2796, 0.2295.



This preview shows how white text looks on a background with the Yxy color 42.9859, 0.2796, 0.2295.

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

42.9859, 0.2796, 0.2295

Protanopia

43.4030, 0.2389, 0.2294

Deuteranopia

43.1680, 0.2496, 0.2432



Tritanopia

43.1155, 0.3198, 0.3123

Trichromacy



Original Color

42.9859, 0.2796, 0.2295

Protanomaly

42.8180, 0.2522, 0.2289

Deuteranomaly

42.7664, 0.2597, 0.2374

Tritanomaly

42.8358, 0.3044, 0.2784

Monochromacy



Original Color

42.9859, 0.2796, 0.2295

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

44.4295, 0.2999, 0.2888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9859, 0.2796, 0.2295 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(200, 157, 245)` looks like.

```
.text, #text, p{  
    color:rgb(200, 157, 245)  
}
```

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(200, 157, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 157, 245) }
```

Border

The CSS property to change the border of an element to Yxy 42.9859, 0.2796, 0.2295 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(200, 157, 245) }
```

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

```
.border{ border-color:rgb(200, 157, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 157, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 157, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 157, 245);  
box-shadow:4px 4px 4px 4px rgb(200, 157,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9859, 0.2796, 0.2295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 157, 245) }
```

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

```
.background{ background-color: rgb(200,  
157, 245) }
```

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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