

Converting Colors

$Y_{xy}(42.2713, 0.2866, 0.2366)$

Have a look what the booklet for
Yxy(42.2713, 0.2866, 0.2366)
contains.

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Color

Yxy(42.2506, 0.2869, 0.2371)

Conversions

Conversions Part 1

Format	Color
Hex	C99CEC
RGB	201, 156, 236
RGB Percent	79%, 61%, 93%
CMY	0.2116, 0.3883, 0.0745
CMYK	0.15, 0.34, 0.00, 0.07
HSL	274°, 68%, 77%
HSV	274°, 34%, 93%
XYZ	51.1248, 42.2506, 84.8220
YIQ	178.5750, 1.1400, 34.4200

Conversions

Conversions Part 2

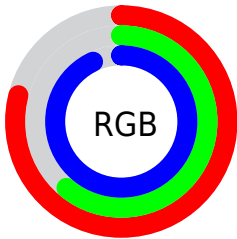
Format	Color
R _Y B	201, 156, 236
Decimal	13212908
CIE Lab	71.04, 31.44, -33.95
CIE LCh	71, 46.276, 312.805
Yxy	42.2506, 0.2869, 0.2371
Android (android.graphics.Color)	4291402988 (0xFFC99CEC)
YUV	178.5750, 28.3105, 19.6667
Hunter-Lab	65.0005, 26.6448, -31.8698

Details

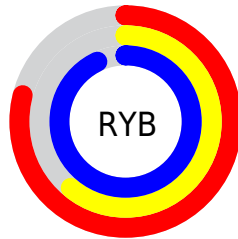
The Yxy color $42.2506, 0.2869, 0.2371$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $73.4647, 0.3312, 0.4233$, and the grayscale version is $44.6903, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.0685, 0.3147, 0.2861$, and $19.3069, 0.2784, 0.2147$ is the 20% darker color. If you saturate the color by 10%, you get $33.7053, 0.2768, 0.2080$, and if you desaturate by 10%, it is $52.4340, 0.2959, 0.2659$.

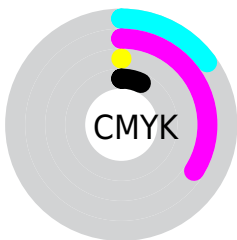
Distribution



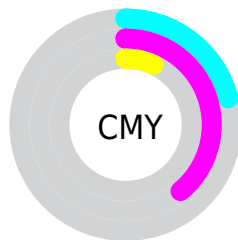
- Red (79%)
- Green (61%)
- Blue (93%)



- Red (79%)
- Yellow (61%)
- Blue (93%)



- Cyan (15%)
- Magenta (34%)
- Yellow (0%)
- Black (7%)




- Cyan (21%)
- Magenta (39%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2506, 0.2869, 0.2371 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 42.2506, 0.2869, 0.2371 by changing the saturation by 10% instead.


 42.2506, 0.2869,
0.2371

 42.2506, 0.2869,
0.2371


355.5207, 0.3008,
0.2804

 29.2976, 0.2832,
0.2272

 78.5788, 0.2921,
0.2522

 19.3060, 0.2784,
0.2149


 102.7227, 0.2940,
0.2580

 11.8916, 0.2720,
0.1994


131.3657, 0.2956,
0.2631

 6.6699, 0.2628,
0.1794

164.8921, 0.2970,
0.2674

 3.2565, 0.2491,
0.1529

203.6865, 0.2981,
0.2713

 1.2671, 0.2272,
0.1167

248.1331, 0.2991,

 0.1155, 0.1972,

0.2746

0.0259

298.6164, 0.3000,
0.2777

0.0000, 0.0000,
0.0000

42.2506, 0.2869,
0.2371

42.2506, 0.2869,
0.2371

33.7053, 0.2768,
0.2080

52.4340, 0.2959,
0.2659

26.7016, 0.2658,
0.1796

64.3343, 0.3037,
0.2935

21.1404, 0.2541,
0.1535

78.0315, 0.3104,
0.3194

16.9090, 0.2423,
0.1309

93.5989, 0.3160,
0.3433

13.8765, 0.2307,
0.1131

98.3848, 0.3223,
0.3474

■ 11.8845, 0.2199,
0.1006

■ 98.8365, 0.3238,
0.3473

■ 11.0336, 0.2137,
0.0951

Harmonies

Analogous

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



42.2506, 0.2328, 0.2259



42.2506, 0.2869, 0.2371



42.2506, 0.3548, 0.2672

Triad

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



42.2506, 0.2869, 0.2371



42.2506, 0.4336, 0.4098



42.2506, 0.2175, 0.3362

Complementary

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



42.2506, 0.2869, 0.2371



73.4647, 0.3312, 0.4233

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.



42.2506, 0.2642, 0.4049



42.2506, 0.2869, 0.2371



42.2506, 0.3892, 0.4450

Square

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



42.2506, 0.2869, 0.2371



42.2506, 0.4449, 0.3610



42.2506, 0.3270, 0.4474



42.2506, 0.1964, 0.2746

Rectangle

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



42.2506, 0.2869, 0.2371



42.2506, 0.3976, 0.2952



42.2506, 0.3270, 0.4474



42.2506, 0.2305, 0.3598

Sweetspot

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



42.2523, 0.2869, 0.2371



82.7434, 0.3064, 0.3038



50.8205, 0.2576, 0.2744



17.2295, 0.3055, 0.3001



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.



42.2523, 0.2869, 0.2371



42.7782, 0.2797, 0.2159



47.4330, 0.3200, 0.2486



14.9673, 0.3068, 0.3053



6.1595, 0.2153, 0.0960



0.5404, 0.2293, 0.1037

Inverse Universe

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



45.3660, 0.3575, 0.2902



47.2082, 0.3712, 0.2818



69.5990, 0.3057, 0.4252



15.1634, 0.3224, 0.3187



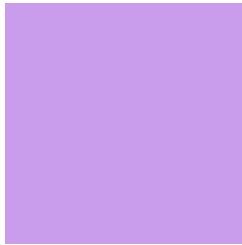
10.3959, 0.5222, 0.2650



0.8353, 0.4875, 0.2459

Previews

White Background



This preview shows how the Yxy color 42.2506, 0.2869, 0.2371 looks on a white background.

Color Contrast Check

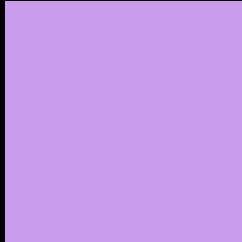
Large Text (above 18pt) WCAG AA × Fail

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 42.2506, 0.2869, 0.2371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

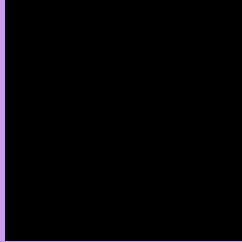
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2506, 0.2869, 0.2371

Background



This preview shows how black text looks on a background with the Yxy color 42.2506, 0.2869, 0.2371.



This preview shows how white text looks on a background with the Yxy color 42.2506, 0.2869, 0.2371.

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

42.2506, 0.2869, 0.2371

Protanopia

42.7664, 0.2436, 0.2353

Deuteranopia

42.2781, 0.2572, 0.2507



Tritanopia

42.1392, 0.3246, 0.3123

Trichromacy



Original Color

42.2506, 0.2869, 0.2371



Protanomaly

42.2391, 0.2576, 0.2348



Deuteranomaly

42.2116, 0.2675, 0.2458



Tritanomaly

41.9666, 0.3103, 0.2830

Monochromacy



Original Color

42.2506, 0.2869, 0.2371



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

43.8607, 0.3031, 0.2923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2506, 0.2869, 0.2371 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(201, 156, 236)` looks like.

```
.text, #text, p{  
    color:rgb(201, 156, 236)  
}
```

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(201, 156, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 156, 236) }
```

Border

The CSS property to change the border of an element to Yxy 42.2506, 0.2869, 0.2371 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(201, 156, 236) }
```

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

```
.border{ border-color:rgb(201, 156, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 156, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 156, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 156, 236);  
box-shadow:4px 4px 4px 4px rgb(201, 156,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2506, 0.2869, 0.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 156, 236) }
```

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

```
.background{ background-color: rgb(201,  
156, 236) }
```

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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