

Converting Colors

$Yxy(41.0517, 0.2900, 0.2362)$

Have a look what the booklet for
Yxy(41.0517, 0.2900, 0.2362)
contains.

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Color

Yxy(40.8962, 0.2898, 0.2357)

Conversions

Conversions Part 1

Format	Color
Hex	CA98E9
RGB	202, 152, 233
RGB Percent	79%, 60%, 91%
CMY	0.2080, 0.4038, 0.0863
CMYK	0.13, 0.35, 0.00, 0.09
HSL	277°, 65%, 75%
HSV	277°, 35%, 91%
XYZ	50.2831, 40.8962, 82.3303
YIQ	176.1840, 3.7990, 35.7910

Conversions

Conversions Part 2

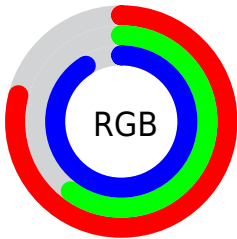
Format	Color
RYB	202, 152, 233
Decimal	13277417
CIELab	70.10, 33.25, -33.75
CIELCh	70, 47.382, 314.573
Yxy	40.8962, 0.2898, 0.2357
Android (android.graphics.Color)	4291467497 (0xFFCA98E9)
YUV	176.1840, 28.0103, 22.6406
Hunter-Lab	63.9501, 28.4392, -31.5657

Details

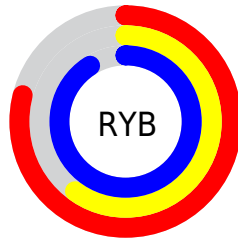
The Yxy color $40.8962, 0.2898, 0.2357$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $70.6186, 0.3285, 0.4268$, and the grayscale version is $43.3665, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.1056, 0.3149, 0.2821$, and $18.4917, 0.2823, 0.2128$ is the 20% darker color. If you saturate the color by 10%, you get $32.8517, 0.2810, 0.2073$, and if you desaturate by 10%, it is $50.5018, 0.2977, 0.2640$.

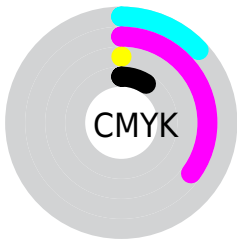
Distribution



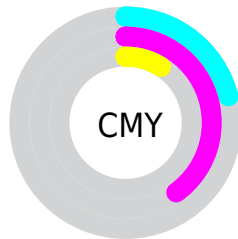
- Red (79%)
- Green (60%)
- Blue (91%)



- Red (79%)
- Yellow (60%)
- Blue (91%)



- Cyan (13%)
- Magenta (35%)
- Yellow (0%)
- Black (9%)





- Cyan (21%)
- Magenta (40%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8962, 0.2898, 0.2357 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 40.8962, 0.2898, 0.2357 by changing the saturation by 10% instead.


 40.8962, 0.2898,
0.2357


 40.8962, 0.2898,
0.2357


349.8866, 0.3024,
0.2797

 28.2380, 0.2864,
0.2256


 76.5263, 0.2946,
0.2511

 18.5051, 0.2819,
0.2130


 100.2670, 0.2963,
0.2570

 11.3133, 0.2758,
0.1972


128.4706, 0.2978,
0.2622

 6.2779, 0.2671,
0.1767

161.5215, 0.2990,
0.2666

 3.0148, 0.2539,
0.1494

199.8042, 0.3000,
0.2705

 1.1395, 0.2322,
0.1123

243.7030, 0.3009,

 0.0114, 0.2055,

0.2739

0.0029

293.6024, 0.3017,
0.2770

0.0000, 0.0000,
0.0000

40.8962, 0.2898,
0.2357

40.8962, 0.2898,
0.2357

32.8517, 0.2810,
0.2073

50.5018, 0.2977,
0.2640

26.2746, 0.2713,
0.1800

61.7447, 0.3045,
0.2914

21.0689, 0.2610,
0.1551

74.7024, 0.3103,
0.3173

17.1245, 0.2505,
0.1339

89.4457, 0.3152,
0.3414

14.3139, 0.2402,
0.1174

97.1073, 0.3202,
0.3506

■ 12.4810, 0.2305,
0.1061

■ 98.6629, 0.3256,
0.3503

■ 11.7827, 0.2256,
0.1016

Harmonies

Analogous

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



40.8962, 0.2329, 0.2229



40.8962, 0.2898, 0.2357



40.8962, 0.3603, 0.2676

Triad

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



40.8962, 0.2898, 0.2357



40.8962, 0.4356, 0.4146



40.8962, 0.2124, 0.3319

Complementary

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



40.8962, 0.2898, 0.2357



70.6186, 0.3285, 0.4268

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.



40.8962, 0.2589, 0.4040



40.8962, 0.2898, 0.2357



40.8962, 0.3880, 0.4502

Square

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



40.8962, 0.2898, 0.2357



40.8962, 0.4499, 0.3646



40.8962, 0.3231, 0.4506



40.8962, 0.1924, 0.2695

Rectangle

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



40.8962, 0.2898, 0.2357



40.8962, 0.4041, 0.2968



40.8962, 0.3231, 0.4506



40.8962, 0.2252, 0.3564

Sweetspot

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



40.8979, 0.2898, 0.2357



82.9885, 0.3073, 0.3038



47.0139, 0.2555, 0.2676



17.2888, 0.3065, 0.3002



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.



40.8979, 0.2898, 0.2357



42.6557, 0.2833, 0.2145



45.2184, 0.3237, 0.2506



15.0087, 0.3077, 0.3053



6.7595, 0.2270, 0.1024



0.5858, 0.2399, 0.1095

Inverse Universe

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



43.2094, 0.3633, 0.2940



46.0808, 0.3791, 0.2864



67.4955, 0.3033, 0.4226



15.1496, 0.3233, 0.3200



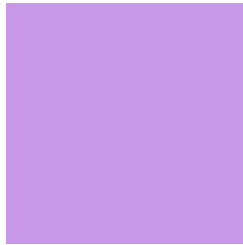
10.2646, 0.5442, 0.2772



0.8243, 0.5068, 0.2566

Previews

White Background



This preview shows how the Yxy color 40.8962, 0.2898, 0.2357 looks on a white background.

Color Contrast Check

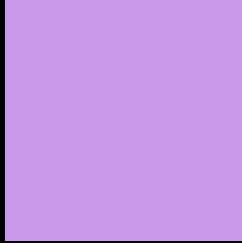
Large Text (above 18pt) WCAG AA × Fail

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 40.8962, 0.2898, 0.2357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

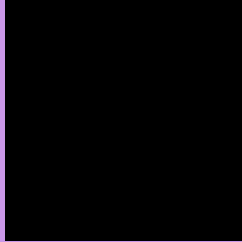
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8962, 0.2898, 0.2357

Background



This preview shows how black text looks on a background with the Yxy color 40.8962, 0.2898, 0.2357.



This preview shows how white text looks on a background with the Yxy color 40.8962, 0.2898, 0.2357.

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

40.8962, 0.2898, 0.2357

Protanopia

41.2328, 0.2422, 0.2330

Deuteranopia

41.1570, 0.2573, 0.2511



Tritanopia

41.0230, 0.3294, 0.3135

Trichromacy



Original Color

40.8962, 0.2898, 0.2357

Protanomaly

40.7607, 0.2575, 0.2337

Deuteranomaly

40.8481, 0.2684, 0.2450

Tritanomaly

40.9086, 0.3140, 0.2828

Monochromacy



Original Color

40.8962, 0.2898, 0.2357

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

41.9829, 0.3038, 0.2905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8962, 0.2898, 0.2357 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(202, 152, 233)` looks like.

```
.text, #text, p{  
    color:rgb(202, 152, 233)  
}
```

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(202, 152, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 152, 233) }
```

Border

The CSS property to change the border of an element to Yxy 40.8962, 0.2898, 0.2357 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(202, 152, 233) }
```

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

```
.border{ border-color:rgb(202, 152, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 152, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 152, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 152, 233);  
box-shadow:4px 4px 4px 4px rgb(202, 152,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8962, 0.2898, 0.2357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 152, 233) }
```

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

```
.background{ background-color: rgb(202,  
152, 233) }
```

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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