

Converting Colors

$Y_{xy}(41.7872, 0.2966, 0.2528)$

Have a look what the booklet for
Yxy(41.7872, 0.2966, 0.2528)
contains.

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Color

Yxy(42.0070, 0.2968, 0.2533)

Conversions

Conversions Part 1

Format	Color
Hex	C89EDE
RGB	200, 158, 222
RGB Percent	78%, 62%, 87%
CMY	0.2158, 0.3803, 0.1295
CMYK	0.10, 0.29, 0.00, 0.13
HSL	279°, 49%, 75%
HSV	279°, 29%, 87%
XYZ	49.2210, 42.0070, 74.6109
YIQ	177.8540, 4.4880, 28.8080

Conversions

Conversions Part 2

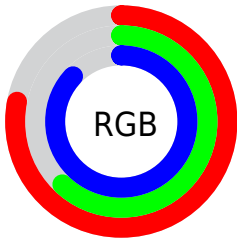
Format	Color
R _Y B	200, 158, 222
Decimal	13147870
CIE Lab	70.88, 27.06, -26.54
CIE LCh	71, 37.898, 315.553
Yxy	42.0070, 0.2968, 0.2533
Android (android.graphics.Color)	4291337950 (0xFFC89EDE)
YUV	177.8540, 21.7640, 19.4220
Hunter-Lab	64.8128, 22.1364, -22.8842

Details

The Yxy color $42.0070, 0.2968, 0.2533$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $64.4142, 0.3243, 0.4086$, and the grayscale version is $44.3202, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.0685, 0.3146, 0.2881$, and $19.1178, 0.2906, 0.2334$ is the 20% darker color. If you saturate the color by 10%, you get $34.0798, 0.2895, 0.2254$, and if you desaturate by 10%, it is $51.3582, 0.3032, 0.2808$.

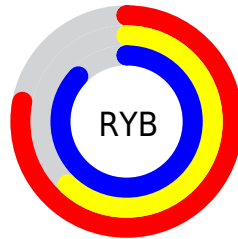
Distribution



Red (78%)

Green (62%)

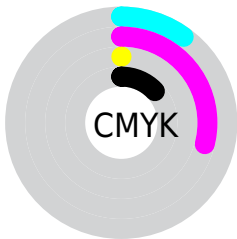
Blue (87%)



Red (78%)

Yellow (62%)

Blue (87%)

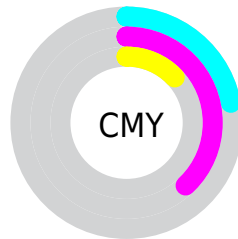


Cyan (10%)

Magenta (29%)

Yellow (0%)

Black (13%)



Cyan (22%)


Magenta (38%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0070, 0.2968, 0.2533 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 42.0070, 0.2968, 0.2533 by changing the saturation by 10% instead.


 42.0070, 0.2968,
0.2533


 42.0070, 0.2968,
0.2533


354.5120, 0.3055,
0.2895

 29.1068, 0.2944,
0.2448


 78.2102, 0.3001,
0.2661

 19.1616, 0.2913,
0.2341


 102.2820, 0.3013,
0.2710

 11.7871, 0.2869,
0.2205


130.8464, 0.3023,
0.2752

 6.5989, 0.2806,
0.2025

164.2879, 0.3032,
0.2788

 3.2125, 0.2708,
0.1778

202.9908, 0.3039,
0.2820

 1.2437, 0.2542,
0.1425

247.3395, 0.3045,

 0.0970, 0.2357,

0.2848

0.0304

297.7184, 0.3051,
0.2873

0.0000, 0.0000,
0.0000

42.0070, 0.2968,
0.2533

42.0070, 0.2968,
0.2533

34.0798, 0.2895,
0.2254

51.3582, 0.3032,
0.2808

27.4970, 0.2813,
0.1979

62.1969, 0.3086,
0.3071

22.1787, 0.2725,
0.1722


74.5893, 0.3132,
0.3318


18.0348, 0.2632,
0.1494


88.5959, 0.3170,
0.3546


14.9623, 0.2538,
0.1307


95.0020, 0.3213,
0.3622

 12.8402, 0.2446,
0.1169

 96.3549, 0.3262,
0.3617

 11.4822, 0.2358,
0.1077

 97.7646, 0.3312,
0.3612

 11.3419, 0.2348,
0.1067

 98.0532, 0.3322,
0.3611

Harmonies

Analogous

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



42.0070, 0.2497, 0.2424



42.0070, 0.2968, 0.2533



42.0070, 0.3528, 0.2804

Triad

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



42.0070, 0.2968, 0.2533



42.0070, 0.4109, 0.4011



42.0070, 0.2310, 0.3306

Complementary

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



42.0070, 0.2968, 0.2533



64.4142, 0.3243, 0.4086

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.



42.0070, 0.2690, 0.3857



42.0070, 0.2968, 0.2533



42.0070, 0.3730, 0.4262

Square

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



42.0070, 0.2968, 0.2533



42.0070, 0.4220, 0.3615



42.0070, 0.3208, 0.4227



42.0070, 0.2145, 0.2814

Rectangle

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



42.0070, 0.2968, 0.2533



42.0070, 0.3867, 0.3050



42.0070, 0.3208, 0.4227



42.0070, 0.2415, 0.3494

Sweetspot

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



42.0088, 0.2968, 0.2533



84.7531, 0.3085, 0.3065



45.3533, 0.2655, 0.2755



17.6486, 0.3078, 0.3027



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.



42.0088, 0.2968, 0.2533



50.2911, 0.2922, 0.2353



44.7626, 0.3243, 0.2674



13.6870, 0.3083, 0.3055



6.8016, 0.2361, 0.1074



0.5205, 0.2493, 0.1147

Inverse Universe

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



43.2867, 0.3544, 0.3032



52.4493, 0.3674, 0.2971



62.3198, 0.3030, 0.3996



13.7781, 0.3238, 0.3210



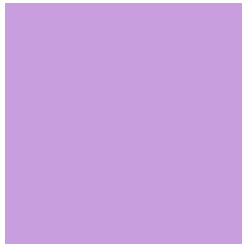
9.5568, 0.5590, 0.2853



0.6789, 0.5158, 0.2615

Previews

White Background



This preview shows how the Yxy color 42.0070, 0.2968, 0.2533 looks on a white background.

Color Contrast Check

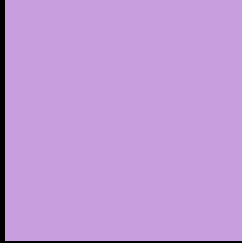
Large Text (above 18pt) WCAG AA × Fail

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 42.0070, 0.2968, 0.2533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

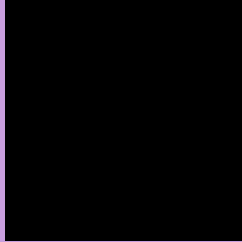
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.0070, 0.2968, 0.2533

Background



This preview shows how black text looks on a background with the Yxy color 42.0070, 0.2968, 0.2533.



This preview shows how white text looks on a background with the Yxy color 42.0070, 0.2968, 0.2533.

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

42.0070, 0.2968, 0.2533

Protanopia

42.4993, 0.2573, 0.2530

Deuteranopia

42.1322, 0.2720, 0.2651



Tritanopia

41.8646, 0.3265, 0.3123

Trichromacy



Original Color

42.0070, 0.2968, 0.2533

Protanomaly

42.1231, 0.2709, 0.2532

Deuteranomaly

42.0766, 0.2804, 0.2605

Tritanomaly

41.8703, 0.3155, 0.2890

Monochromacy



Original Color

42.0070, 0.2968, 0.2533

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.4600, 0.3071, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0070, 0.2968, 0.2533 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, 158, 222)` looks like.

```
.text, #text, p{  
    color:rgb(200, 158, 222)  
}
```

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, 158, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 158, 222) }
```

Border

The CSS property to change the border of an element to Yxy 42.0070, 0.2968, 0.2533 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, 158, 222) }
```

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

```
.border{ border-color:rgb(200, 158, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 158, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 158, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 158, 222);  
box-shadow:4px 4px 4px 4px rgb(200, 158,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0070, 0.2968, 0.2533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 158, 222) }
```

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

```
.background{ background-color: rgb(200,  
158, 222) }
```

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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