

Converting Colors

$Y_{xy}(41.0344, 0.2966, 0.2501)$

Have a look what the booklet for
Yxy(41.0344, 0.2966, 0.2501)
contains.

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Color

Yxy(40.9960, 0.2968, 0.2497)

Conversions

Conversions Part 1

Format	Color
Hex	C89BDE
RGB	200, 155, 222
RGB Percent	78%, 61%, 87%
CMY	0.2156, 0.3922, 0.1294
CMYK	0.10, 0.30, 0.00, 0.13
HSL	280°, 50%, 74%
HSV	280°, 30%, 87%
XYZ	48.7289, 40.9960, 74.4561
YIQ	176.0930, 5.3130, 30.3770

Conversions

Conversions Part 2

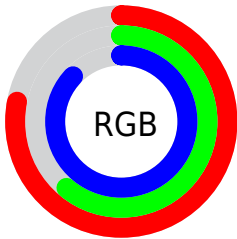
Format	Color
R _Y B	200, 155, 222
Decimal	13147102
CIE Lab	70.17, 28.74, -27.63
CIE LCh	70, 39.867, 316.133
Yxy	40.9960, 0.2968, 0.2497
Android (android.graphics.Color)	4291337182 (0xFFC89BDE)
YUV	176.0930, 22.6322, 20.9664
Hunter-Lab	64.0281, 23.7991, -24.1266

Details

The Yxy color **40.9960, 0.2968, 0.2497** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **63.9585, 0.3240, 0.4131**, and the grayscale version is **43.3464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5732, 0.3148, 0.2851**, and **18.5103, 0.2905, 0.2288** is the 20% darker color. If you saturate the color by 10%, you get **33.2958, 0.2898, 0.2220**, and if you desaturate by 10%, it is **50.1059, 0.3030, 0.2772**.

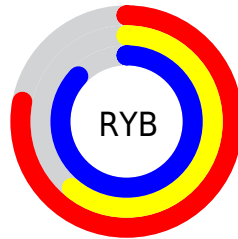
Distribution



Red (78%)

Green (61%)

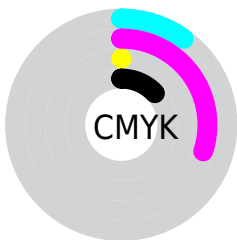
Blue (87%)



Red (78%)

Yellow (61%)

Blue (87%)

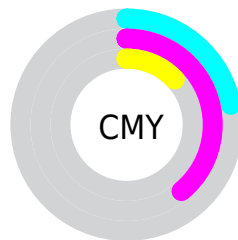


Cyan (10%)

Magenta (30%)

Yellow (0%)

Black (13%)



Cyan (22%)


Magenta (39%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9960, 0.2968, 0.2497 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 40.9960, 0.2968, 0.2497 by changing the saturation by 10% instead.

 40.9960, 0.2968,
0.2497

 40.9960, 0.2968,
0.2497


350.3039, 0.3056,
0.2877

 28.3160, 0.2944,
0.2408


 76.6778, 0.3002,
0.2631

 18.5640, 0.2911,
0.2296


 100.4484, 0.3014,
0.2682

 11.3556, 0.2866,
0.2154


128.6846, 0.3024,
0.2726

 6.3066, 0.2801,
0.1966

161.7708, 0.3033,
0.2765

 3.0324, 0.2699,
0.1709

200.0915, 0.3040,
0.2798

 1.1487, 0.2524,
0.1344

244.0309, 0.3046,

 0.0192, 0.2347,

0.2827

0.0062

293.9736, 0.3052,
0.2853

0.0000, 0.0000,
0.0000

40.9960, 0.2968,
0.2497

40.9960, 0.2968,
0.2497

33.2958, 0.2898,
0.2220

50.1059, 0.3030,
0.2772

26.9249, 0.2819,
0.1949

60.6897, 0.3082,
0.3036

21.8025, 0.2734,
0.1698


72.8141, 0.3126,
0.3286

17.8371, 0.2646,
0.1479

86.5398, 0.3163,
0.3517

14.9238, 0.2556,
0.1301

94.7034, 0.3202,
0.3623

 12.9382, 0.2468,
0.1172

 95.9793, 0.3248,
0.3619

 11.6778, 0.2386,
0.1088

 97.3066, 0.3296,
0.3614

 98.0543, 0.3321,
0.3611

Harmonies

Analogous

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



40.9960, 0.2469, 0.2378



40.9960, 0.2968, 0.2497



40.9960, 0.3562, 0.2784

Triad

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



40.9960, 0.2968, 0.2497



40.9960, 0.4159, 0.4055



40.9960, 0.2258, 0.3293

Complementary

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



40.9960, 0.2968, 0.2497



63.9585, 0.3240, 0.4131

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.



40.9960, 0.2653, 0.3883



40.9960, 0.2968, 0.2497



40.9960, 0.3752, 0.4323

Square

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



40.9960, 0.2968, 0.2497



40.9960, 0.4286, 0.3636



40.9960, 0.3198, 0.4285



40.9960, 0.2091, 0.2774

Rectangle

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



40.9960, 0.2968, 0.2497



40.9960, 0.3921, 0.3043



40.9960, 0.3198, 0.4285



40.9960, 0.2367, 0.3493

Sweetspot

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



40.9977, 0.2968, 0.2497



84.8208, 0.3088, 0.3065



43.8191, 0.2629, 0.2711



17.6653, 0.3080, 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.



40.9977, 0.2968, 0.2497



49.4726, 0.2926, 0.2328



43.6677, 0.3260, 0.2657



13.6985, 0.3086, 0.3055



6.9986, 0.2398, 0.1095



0.5331, 0.2526, 0.1165

Inverse Universe

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



42.1465, 0.3581, 0.3031



51.3903, 0.3710, 0.2977



61.9738, 0.3018, 0.4020



13.7743, 0.3241, 0.3213



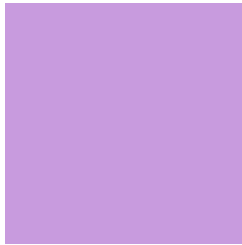
9.5272, 0.5651, 0.2887



0.6765, 0.5215, 0.2646

Previews

White Background



This preview shows how the Yxy color 40.9960, 0.2968, 0.2497 looks on a white background.

Color Contrast Check

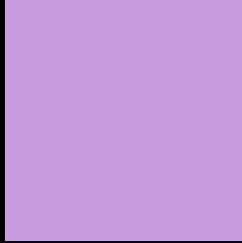
Large Text (above 18pt) WCAG AA × Fail

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 40.9960, 0.2968, 0.2497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

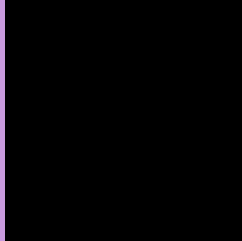
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9960, 0.2968, 0.2497

Background



This preview shows how black text looks on a background with the Yxy color 40.9960, 0.2968, 0.2497.



This preview shows how white text looks on a background with the Yxy color 40.9960, 0.2968, 0.2497.

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

40.9960, 0.2968, 0.2497

Protanopia

41.5027, 0.2543, 0.2488

Deuteranopia

41.2769, 0.2695, 0.2644



Tritanopia

41.0627, 0.3285, 0.3122

Trichromacy



Original Color

40.9960, 0.2968, 0.2497

Protanomaly

41.2253, 0.2685, 0.2493

Deuteranomaly

40.9483, 0.2785, 0.2586

Tritanomaly

41.0758, 0.3174, 0.2888

Monochromacy



Original Color

40.9960, 0.2968, 0.2497

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.1698, 0.3071, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9960, 0.2968, 0.2497 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, 155, 222)` looks like.

```
.text, #text, p{  
    color:rgb(200, 155, 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, 155, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 155, 222) }
```

Border

The CSS property to change the border of an element to Yxy 40.9960, 0.2968, 0.2497 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, 155, 222) }
```

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

```
.border{ border-color:rgb(200, 155, 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, 155, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 155, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 155, 222);  
box-shadow:4px 4px 4px 4px rgb(200, 155,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9960, 0.2968, 0.2497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 155, 222) }
```

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

```
.background{ background-color: rgb(200,  
155, 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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