

Converting Colors

$Y_{xy}(40.3838, 0.3157, 0.2730)$

Have a look what the booklet for
Yxy(40.3838, 0.3157, 0.2730)
contains.

Yxy(40.5505, 0.3162, 0.2741)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.5505, 0.3162, 0.2741)

Conversions

Conversions Part 1

Format	Color
Hex	CA9CC9
RGB	202, 156, 201
RGB Percent	79%, 61%, 79%
CMY	0.2080, 0.3881, 0.2118
CMYK	0.00, 0.23, 0.00, 0.21
HSL	301°, 30%, 70%
HSV	301°, 23%, 79%
XYZ	46.7788, 40.5505, 60.6112
YIQ	174.8840, 12.9710, 23.7470

Conversions

Conversions Part 2

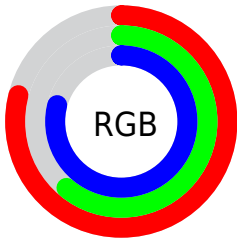
Format	Color
R_{YB}	202, 156, 201
Decimal	13278409
CIE _{Lab}	69.86, 24.68, -16.49
CIE _{LCh}	70, 29.682, 326.253
Yxy	40.5505, 0.3162, 0.2741
Android (android.graphics.Color)	4291468489 (0xFFCA9CC9)
YUV	174.8840, 12.8752, 23.7807
Hunter-Lab	63.6793, 19.6874, -11.8579

Details

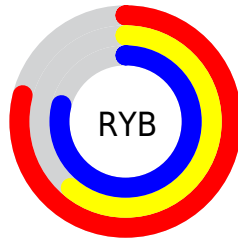
The Yxy color **40.5505, 0.3162, 0.2741** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **51.7273, 0.3091, 0.3908**, and the grayscale version is **42.7334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0685, 0.3147, 0.2861**, and **18.2103, 0.3160, 0.2586** is the 20% darker color. If you saturate the color by 10%, you get **34.3071, 0.3178, 0.2500**, and if you desaturate by 10%, it is **47.9245, 0.3146, 0.2985**.

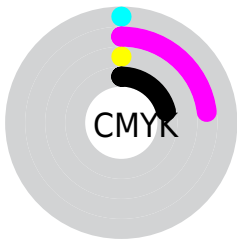
Distribution



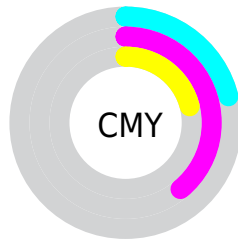
- Red (79%)
- Green (61%)
- Blue (79%)



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



- Cyan (0%)
- Magenta (23%)
- Yellow (0%)
- Black (21%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5505, 0.3162, 0.2741 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 40.5505, 0.3162, 0.2741 by changing the saturation by 10% instead.


 40.5505, 0.3162,
0.2741


 40.5505, 0.3162,
0.2741


348.4384, 0.3149,
0.3010

 27.9680, 0.3164,
0.2676


 76.0011, 0.3158,
0.2837

 18.3016, 0.3165,
0.2593


 99.6379, 0.3157,
0.2874

 11.1667, 0.3166,
0.2486


127.7284, 0.3155,
0.2905

 6.1791, 0.3165,
0.2339

160.6569, 0.3154,
0.2932

 2.9543, 0.3157,
0.2130

198.8077, 0.3152,
0.2955

 1.1079, 0.3132,
0.1808

242.5653, 0.3151,

 0.0000, 0.3389,

0.2975

0.0000

292.3141, 0.3150,
0.2993

0.0000, 0.0000,
0.0000

40.5505, 0.3162,
0.2741

40.5505, 0.3162,
0.2741

34.3071, 0.3178,
0.2500

47.9245, 0.3146,
0.2985

29.1332, 0.3195,
0.2271

56.4755, 0.3131,
0.3226

24.9703, 0.3210,
0.2062

66.2539, 0.3117,
0.3456

21.7520, 0.3225,
0.1885

77.3057, 0.3104,
0.3674

19.4039, 0.3238,
0.1745

88.3891, 0.3094,
0.3857

■ 17.8407, 0.3249,
0.1647

■ 88.4095, 0.3091,
0.3852

■ 16.9597, 0.3258,
0.1592

■ 88.4300, 0.3089,
0.3847

■ 16.6135, 0.3263,
0.1571

■ 88.4506, 0.3086,
0.3842

■ 88.4713, 0.3084,
0.3837

Harmonies

Analogous

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



40.5505, 0.2746, 0.2602



40.5505, 0.3162, 0.2741



40.5505, 0.3596, 0.3003

Triad

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



40.5505, 0.3162, 0.2741



40.5505, 0.3827, 0.3964



40.5505, 0.2401, 0.3160

Complementary

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



40.5505, 0.3162, 0.2741



51.7273, 0.3091, 0.3908

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.



40.5505, 0.2656, 0.3589



40.5505, 0.3162, 0.2741



40.5505, 0.3476, 0.4076

Square

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



40.5505, 0.3162, 0.2741



40.5505, 0.3992, 0.3686



40.5505, 0.3046, 0.3942



40.5505, 0.2330, 0.2810

Rectangle

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



40.5505, 0.3162, 0.2741



40.5505, 0.3827, 0.3223



40.5505, 0.3046, 0.3942



40.5505, 0.2467, 0.3300

Sweetspot

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



40.5523, 0.3162, 0.2741



89.1109, 0.3138, 0.3122



35.1940, 0.2752, 0.2660



18.8828, 0.3138, 0.3107



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.



40.5523, 0.3162, 0.2741



63.5674, 0.3170, 0.2629



39.5593, 0.3371, 0.3011



11.3995, 0.3141, 0.3066



10.6970, 0.3262, 0.1571



0.5532, 0.3251, 0.1565

Inverse Universe

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



40.5523, 0.3162, 0.2741



63.5674, 0.3170, 0.2629



52.5785, 0.2937, 0.3588



11.3995, 0.3141, 0.3066



10.6970, 0.3262, 0.1571



0.5532, 0.3251, 0.1565

Previews

White Background



This preview shows how the Yxy color 40.5505, 0.3162, 0.2741 looks on a white background.

Color Contrast Check

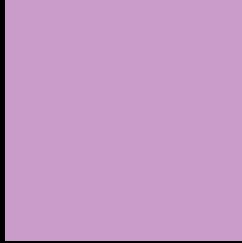
Large Text (above 18pt) WCAG AA × Fail

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 40.5505, 0.3162, 0.2741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

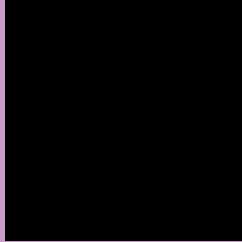
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5505, 0.3162, 0.2741

Background



This preview shows how black text looks on a background with the Yxy color 40.5505, 0.3162, 0.2741.



This preview shows how white text looks on a background with the Yxy color 40.5505, 0.3162, 0.2741.

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

40.5505, 0.3162, 0.2741

Protanopia

40.7105, 0.2749, 0.2749

Deuteranopia

40.7596, 0.2927, 0.2869



Tritanopia

40.5515, 0.3365, 0.3124

Trichromacy



Original Color

40.5505, 0.3162, 0.2741

Protanomaly

40.4030, 0.2890, 0.2736

Deuteranomaly

40.5549, 0.3006, 0.2816

Tritanomaly

40.3991, 0.3285, 0.2975

Monochromacy



Original Color

40.5505, 0.3162, 0.2741

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

41.7802, 0.3146, 0.3081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5505, 0.3162, 0.2741 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, 156, 201)` looks like.

```
.text, #text, p{  
    color:rgb(202, 156, 201)  
}
```

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, 156, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 156, 201) }
```

Border

The CSS property to change the border of an element to Yxy 40.5505, 0.3162, 0.2741 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, 156, 201) }
```

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

```
.border{ border-color:rgb(202, 156, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 156, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 156, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 156, 201);  
box-shadow:4px 4px 4px 4px rgb(202, 156,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5505, 0.3162, 0.2741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 156, 201) }
```

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

```
.background{ background-color: rgb(202,  
156, 201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor