

Converting Colors

$Y_{xy}(42.1875, 0.3160, 0.2780)$

Have a look what the booklet for
Yxy(42.1875, 0.3160, 0.2780)
contains.

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Color

Yxy(42.1024, 0.3160, 0.2780)

Conversions

Conversions Part 1

Format	Color
Hex	CBA0CA
RGB	203, 160, 202
RGB Percent	80%, 63%, 79%
CMY	0.2040, 0.3725, 0.2078
CMYK	0.00, 0.21, 0.00, 0.20
HSL	301°, 29%, 71%
HSV	301°, 21%, 80%
XYZ	47.8574, 42.1024, 61.4877
YIQ	177.6450, 12.1460, 22.1780

Conversions

Conversions Part 2

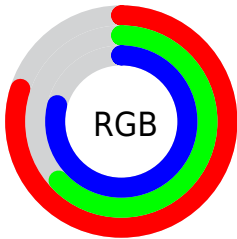
Format	Color
R _Y B	203, 160, 202
Decimal	13344970
CIE Lab	70.94, 23.03, -15.41
CIE LCh	71, 27.712, 326.206
Yxy	42.1024, 0.3160, 0.2780
Android (android.graphics.Color)	4291535050 (0xFFCBA0CA)
YUV	177.6450, 12.0070, 22.2363
Hunter-Lab	64.8864, 18.1028, -10.7640

Details

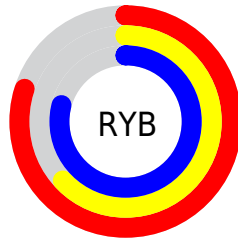
The Yxy color **42.1024, 0.3160, 0.2780** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.7512, 0.3093, 0.3859**, and the grayscale version is **44.2549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0809, 0.3145, 0.2900**, and **19.1591, 0.3158, 0.2639** is the 20% darker color. If you saturate the color by 10%, you get **35.6094, 0.3177, 0.2538**, and if you desaturate by 10%, it is **49.7481, 0.3144, 0.3024**.

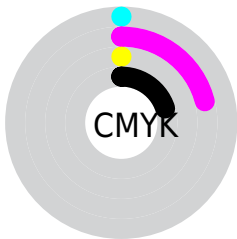
Distribution



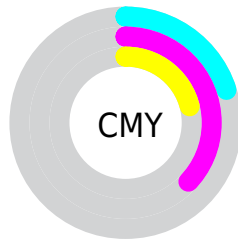
- Red (80%)
- Green (63%)
- Blue (79%)



- Red (80%)
- Yellow (63%)
- Blue (79%)



- Cyan (0%)
- Magenta (21%)
- Yellow (0%)
- Black (20%)




- Cyan (20%)
- Magenta (37%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1024, 0.3160, 0.2780 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 42.1024, 0.3160, 0.2780 by changing the saturation by 10% instead.


 42.1024, 0.3160,
0.2780

 42.1024, 0.3160,
0.2780


354.9072, 0.3148,
0.3029

 29.1815, 0.3162,
0.2720


 78.3546, 0.3156,
0.2869

 19.2182, 0.3164,
0.2644


 102.4546, 0.3155,
0.2903

 11.8280, 0.3165,
0.2544


131.0498, 0.3153,
0.2932

 6.6267, 0.3165,
0.2409

164.5246, 0.3152,
0.2956

 3.2297, 0.3160,
0.2217

203.2634, 0.3151,
0.2978

 1.2528, 0.3141,
0.1920

247.6504, 0.3150,

 0.1042, 0.3348,

0.2997

0.0528

298.0703, 0.3149,
0.3014

0.0000, 0.0000,
0.0000

42.1024, 0.3160,
0.2780

42.1024, 0.3160,
0.2780

35.6094, 0.3177,
0.2538

49.7481, 0.3144,
0.3024

30.2080, 0.3193,
0.2306

58.5930, 0.3129,
0.3263

25.8396, 0.3210,
0.2094

68.6876, 0.3115,
0.3491

22.4381, 0.3225,
0.1912

80.0779, 0.3102,
0.3706

19.9297, 0.3239,
0.1766

88.5885, 0.3093,
0.3842

■ 18.2300, 0.3250,
0.1661

■ 88.6107, 0.3091,
0.3837

■ 17.2384, 0.3260,
0.1600

■ 88.6328, 0.3088,
0.3832

■ 16.7895, 0.3267,
0.1573

■ 88.6551, 0.3086,
0.3827

■ 88.6774, 0.3083,
0.3821

Harmonies

Analogous

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



42.1024, 0.2775, 0.2651



42.1024, 0.3160, 0.2780



42.1024, 0.3559, 0.3025

Triad

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



42.1024, 0.3160, 0.2780



42.1024, 0.3775, 0.3914



42.1024, 0.2455, 0.3173

Complementary

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



42.1024, 0.3160, 0.2780



52.7512, 0.3093, 0.3859

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.



42.1024, 0.2693, 0.3566



42.1024, 0.3160, 0.2780



42.1024, 0.3452, 0.4012

Square

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



42.1024, 0.3160, 0.2780



42.1024, 0.3925, 0.3659



42.1024, 0.3055, 0.3888



42.1024, 0.2388, 0.2849

Rectangle

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



42.1024, 0.3160, 0.2780



42.1024, 0.3771, 0.3229



42.1024, 0.3055, 0.3888



42.1024, 0.2516, 0.3302

Sweetspot

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



42.1042, 0.3160, 0.2780



90.6014, 0.3136, 0.3146



37.0050, 0.2781, 0.2708



19.1833, 0.3137, 0.3131



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.



42.1042, 0.3160, 0.2780



65.7582, 0.3167, 0.2679



41.1666, 0.3351, 0.3031



11.3992, 0.3141, 0.3067



10.6887, 0.3266, 0.1573



0.5528, 0.3254, 0.1566

Inverse Universe

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



42.1042, 0.3160, 0.2780



65.7582, 0.3167, 0.2679



53.5649, 0.2949, 0.3565



11.3992, 0.3141, 0.3067



10.6887, 0.3266, 0.1573



0.5528, 0.3254, 0.1566

Previews

White Background



This preview shows how the Yxy color 42.1024, 0.3160, 0.2780 looks on a white background.

Color Contrast Check

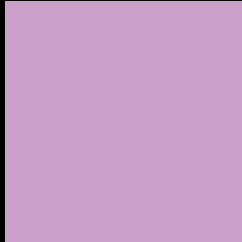
Large Text (above 18pt) WCAG AA × Fail

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 42.1024, 0.3160, 0.2780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

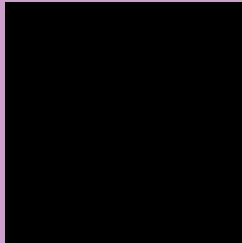
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1024, 0.3160, 0.2780

Background



This preview shows how black text looks on a background with the Yxy color 42.1024, 0.3160, 0.2780.



This preview shows how white text looks on a background with the Yxy color 42.1024, 0.3160, 0.2780.

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

42.1024, 0.3160, 0.2780

Protanopia

42.2652, 0.2784, 0.2794

Deuteranopia

42.3846, 0.2954, 0.2901



Tritanopia

42.0046, 0.3351, 0.3126

Trichromacy



Original Color

42.1024, 0.3160, 0.2780

Protanomaly

42.0940, 0.2908, 0.2791

Deuteranomaly

42.0543, 0.3024, 0.2846

Tritanomaly

42.1571, 0.3280, 0.3003

Monochromacy



Original Color

42.1024, 0.3160, 0.2780

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.2785, 0.3137, 0.3084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1024, 0.3160, 0.2780 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(203, 160, 202)` looks like.

```
.text, #text, p{  
    color:rgb(203, 160, 202)  
}
```

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(203, 160, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 160, 202) }
```

Border

The CSS property to change the border of an element to Yxy 42.1024, 0.3160, 0.2780 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(203, 160, 202) }
```

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

```
.border{ border-color:rgb(203, 160, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 160, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 160, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 160, 202);  
box-shadow:4px 4px 4px 4px rgb(203, 160,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1024, 0.3160, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 160, 202) }
```

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

```
.background{ background-color: rgb(203,  
160, 202) }
```

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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