

Converting Colors

$Y_{xy}(42.0836, 0.3026, 0.2575)$

Have a look what the booklet for
Yxy(42.0836, 0.3026, 0.2575)
contains.

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Color

Yxy(42.2122, 0.3026, 0.2580)

Conversions

Conversions Part 1

Format	Color
Hex	CB9EDA
RGB	203, 158, 218
RGB Percent	80%, 62%, 85%
CMY	0.2040, 0.3804, 0.1450
CMYK	0.07, 0.28, 0.00, 0.14
HSL	285°, 45%, 74%
HSV	285°, 28%, 86%
XYZ	49.5093, 42.2122, 71.8916
YIQ	178.2950, 7.5600, 28.2000

Conversions

Conversions Part 2

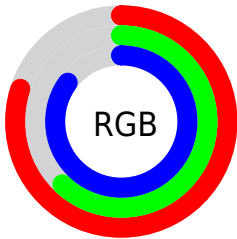
Format	Color
RYB	203, 158, 218
Decimal	13344474
CIELab	71.02, 27.23, -24.13
CIELCh	71, 36.380, 318.459
Yxy	42.2122, 0.3026, 0.2580
Android (android.graphics.Color)	4291534554 (0xFFFCB9EDA)
YUV	178.2950, 19.5746, 21.6663
Hunter-Lab	64.9709, 22.3220, -20.1259

Details

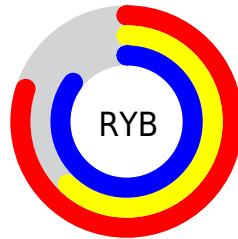
The Yxy color $42.2122, 0.3026, 0.2580$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $61.5217, 0.3197, 0.4056$, and the grayscale version is $44.5772, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.0685, 0.3146, 0.2881$, and $19.2483, 0.2985, 0.2396$ is the 20% darker color. If you saturate the color by 10%, you get $34.6692, 0.2977, 0.2311$, and if you desaturate by 10%, it is $51.1054, 0.3069, 0.2847$.

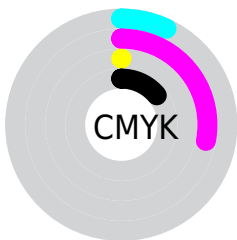
Distribution



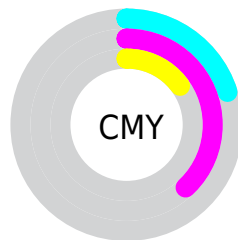
- Red (80%)
- Green (62%)
- Blue (85%)



- Red (80%)
- Yellow (62%)
- Blue (85%)



- Cyan (7%)
- Magenta (28%)
- Yellow (0%)
- Black (14%)





- Cyan (20%)
- Magenta (38%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2122, 0.3026, 0.2580 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 42.2122, 0.3026, 0.2580 by changing the saturation by 10% instead.


 42.2122, 0.3026,
0.2580

 42.2122, 0.3026,
0.2580


355.3618, 0.3084,
0.2921

 29.2675, 0.3010,
0.2500


 78.5207, 0.3049,
0.2700

 19.2833, 0.2988,
0.2399


 102.6532, 0.3057,
0.2747

 11.8751, 0.2957,
0.2270


131.2839, 0.3063,
0.2786

 6.6587, 0.2911,
0.2098

164.7969, 0.3069,
0.2820

 3.2496, 0.2837,
0.1861

203.5769, 0.3073,
0.2850

 1.2634, 0.2708,
0.1517

248.0081, 0.3077,

 0.1126, 0.2603,

0.2876

0.0380

298.4749, 0.3081,
0.2900

0.0000, 0.0000,
0.0000

42.2122, 0.3026,
0.2580

42.2122, 0.3026,
0.2580

34.6692, 0.2977,
0.2311

51.1054, 0.3069,
0.2847

28.4010, 0.2921,
0.2050

61.4084, 0.3104,
0.3105

23.3330, 0.2859,
0.1806

73.1834, 0.3134,
0.3349

19.3804, 0.2793,
0.1593

86.4877, 0.3158,
0.3575

16.4472, 0.2725,
0.1419

93.4604, 0.3186,
0.3669

■ 14.4207, 0.2657,
0.1291

■ 94.3812, 0.3221,
0.3665

■ 13.1475, 0.2591,
0.1209

■ 95.3307, 0.3256,
0.3661

■ 12.8869, 0.2575,
0.1192

■ 96.3090, 0.3291,
0.3657

■ 97.3165, 0.3327,
0.3653

Harmonies

Analogous

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



42.2122, 0.2559, 0.2459



42.2122, 0.3026, 0.2580



42.2122, 0.3563, 0.2855

Triad

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



42.2122, 0.3026, 0.2580



42.2122, 0.4045, 0.4017



42.2122, 0.2317, 0.3256

Complementary

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



42.2122, 0.3026, 0.2580



61.5217, 0.3197, 0.4056

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.



42.2122, 0.2666, 0.3785



42.2122, 0.3026, 0.2580



42.2122, 0.3664, 0.4233

Square

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



42.2122, 0.3026, 0.2580



42.2122, 0.4178, 0.3646



42.2122, 0.3157, 0.4164



42.2122, 0.2178, 0.2798

Rectangle

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



42.2122, 0.3026, 0.2580



42.2122, 0.3876, 0.3098



42.2122, 0.3157, 0.4164



42.2122, 0.2412, 0.3434

Sweetspot

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



42.2140, 0.3026, 0.2580



86.7103, 0.3103, 0.3091



42.6120, 0.2671, 0.2716



18.0575, 0.3098, 0.3053



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.



42.2140, 0.3026, 0.2580



53.7635, 0.2998, 0.2425



43.7286, 0.3282, 0.2757



13.1019, 0.3098, 0.3057



7.7711, 0.2585, 0.1197



0.5432, 0.2691, 0.1256

Inverse Universe

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



42.3872, 0.3574, 0.3110



54.1331, 0.3704, 0.3071



60.4102, 0.3003, 0.3890



13.1048, 0.3252, 0.3232



9.1080, 0.5916, 0.3033



0.6039, 0.5449, 0.2775

Previews

White Background



This preview shows how the Yxy color 42.2122, 0.3026, 0.2580 looks on a white background.

Color Contrast Check

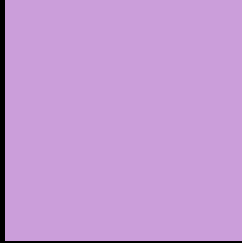
Large Text (above 18pt) WCAG AA × Fail

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 42.2122, 0.3026, 0.2580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

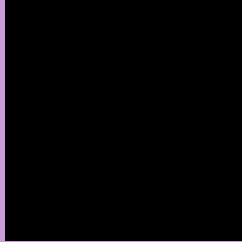
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2122, 0.3026, 0.2580

Background



This preview shows how black text looks on a background with the Yxy color 42.2122, 0.3026, 0.2580.



This preview shows how white text looks on a background with the Yxy color 42.2122, 0.3026, 0.2580.

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

42.2122, 0.3026, 0.2580

Protanopia

42.4774, 0.2612, 0.2577

Deuteranopia

42.2534, 0.2771, 0.2701



Tritanopia

42.3571, 0.3311, 0.3138

Trichromacy



Original Color

42.2122, 0.3026, 0.2580

Protanomaly

42.1332, 0.2752, 0.2579

Deuteranomaly

42.2273, 0.2857, 0.2654

Tritanomaly

42.1868, 0.3200, 0.2917

Monochromacy



Original Color

42.2122, 0.3026, 0.2580

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.5409, 0.3087, 0.3009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2122, 0.3026, 0.2580 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, 158, 218)` looks like.

```
.text, #text, p{  
    color:rgb(203, 158, 218)  
}
```

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, 158, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 158, 218) }
```

Border

The CSS property to change the border of an element to Yxy 42.2122, 0.3026, 0.2580 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, 158, 218) }
```

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

```
.border{ border-color:rgb(203, 158, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 158, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 158, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 158, 218);  
box-shadow:4px 4px 4px 4px rgb(203, 158,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2122, 0.3026, 0.2580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 158, 218) }
```

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

```
.background{ background-color: rgb(203,  
158, 218) }
```

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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