

Converting Colors

$Y_{xy}(41.9560, 0.2801, 0.2667)$

Have a look what the booklet for
Yxy(41.9560, 0.2801, 0.2667)
contains.

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Color

Yxy(42.1290, 0.2802, 0.2670)

Conversions

Conversions Part 1

Format	Color
Hex	AFA8D9
RGB	175, 168, 217
RGB Percent	69%, 66%, 85%
CMY	0.3136, 0.3412, 0.1490
CMYK	0.19, 0.23, 0.00, 0.15
HSL	249°, 39%, 75%
HSV	249°, 23%, 85%
XYZ	44.2118, 42.1290, 71.4457
YIQ	175.6790, -11.5570, 16.7230

Conversions

Conversions Part 2

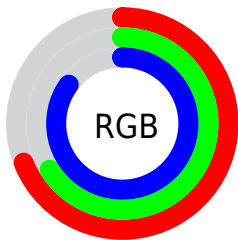
Format	Color
R _Y B	175, 168, 217
Decimal	11512025
CIE Lab	70.96, 12.58, -23.86
CIE LCh	71, 26.978, 297.801
Yxy	42.1290, 0.2802, 0.2670
Android (android.graphics.Color)	4289702105 (0xFFAFA8D9)
YUV	175.6790, 20.3713, -0.5955
Hunter-Lab	64.9069, 7.9996, -19.8282

Details

The Yxy color $42.1290, 0.2802, 0.2670$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $66.1471, 0.3411, 0.3861$, and the grayscale version is $43.1401, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.9843, 0.2979, 0.2964$, and $19.2370, 0.2706, 0.2504$ is the 20% darker color. If you saturate the color by 10%, you get $32.7715, 0.2628, 0.2350$, and if you desaturate by 10%, it is $53.1227, 0.2958, 0.2964$.

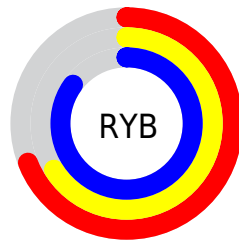
Distribution



Red (69%)

Green (66%)

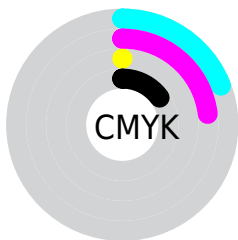
Blue (85%)



Red (69%)

Yellow (66%)

Blue (85%)

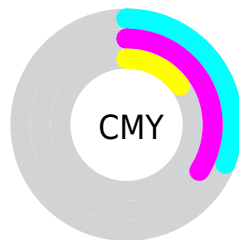


Cyan (19%)

Magenta (23%)

Yellow (0%)

Black (15%)



Cyan (31%)


Magenta (34%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1290, 0.2802, 0.2670 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 42.1290, 0.2802, 0.2670 by changing the saturation by 10% instead.


 42.1290, 0.2802,
0.2670


 42.1290, 0.2802,
0.2670

355.0174, 0.2968,
0.2973

 29.2023, 0.2760,
0.2597


 78.3948, 0.2863,
0.2779

 19.2339, 0.2705,
0.2504

 102.5028, 0.2886,
0.2820

 11.8394, 0.2632,
0.2384


131.1066, 0.2905,
0.2855

 6.6344, 0.2530,
0.2221

164.5906, 0.2921,
0.2885

 3.2345, 0.2378,
0.1992

203.3393, 0.2936,
0.2912

 1.2554, 0.2132,
0.1648

247.7371, 0.2948,

 0.1063, 0.1599,

0.2935

0.0416

298.1683, 0.2959,
0.2955

0.0000, 0.0000,
0.0000

42.1290, 0.2802,
0.2670

42.1290, 0.2802,
0.2670

32.7715, 0.2628,
0.2350

53.1227, 0.2958,
0.2964

24.9668, 0.2439,
0.2012

65.8204, 0.3095,
0.3227

18.6318, 0.2242,
0.1670

80.2925, 0.3213,
0.3460

13.6736, 0.2047,
0.1345

96.6037, 0.3315,
0.3663

9.9884, 0.1868,
0.1060

97.7897, 0.3352,
0.3661

■ 7.4578, 0.1718,
0.0838

■ 5.9403, 0.1607,
0.0692

■ 5.3040, 0.1552,
0.0629

Harmonies

Analogous

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



42.1290, 0.2527, 0.2680



42.1290, 0.2802, 0.2670



42.1290, 0.3181, 0.2803

Triad

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



42.1290, 0.2802, 0.2670



42.1290, 0.3901, 0.3666



42.1290, 0.2688, 0.3538

Complementary

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



42.1290, 0.2802, 0.2670



66.1471, 0.3411, 0.3861

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.



42.1290, 0.3037, 0.3858



42.1290, 0.2802, 0.2670



42.1290, 0.3745, 0.3908

Square

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



42.1290, 0.2802, 0.2670



42.1290, 0.3837, 0.3355



42.1290, 0.3425, 0.3992



42.1290, 0.2464, 0.3158

Rectangle

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



42.1290, 0.2802, 0.2670



42.1290, 0.3445, 0.2956



42.1290, 0.3425, 0.3992



42.1290, 0.2794, 0.3659

Sweetspot

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



42.1307, 0.2802, 0.2670



86.3508, 0.3036, 0.3113



59.6569, 0.2788, 0.3209



18.2434, 0.3028, 0.3097



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.



42.1307, 0.2802, 0.2670



54.1430, 0.2723, 0.2524



45.1587, 0.3000, 0.2705



12.7065, 0.3003, 0.3050



3.2383, 0.1560, 0.0633



0.2390, 0.1686, 0.0702

Inverse Universe

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



47.4053, 0.3212, 0.2807



63.0400, 0.3232, 0.2705



62.8864, 0.3228, 0.3895



13.2410, 0.3160, 0.3092



11.0832, 0.3607, 0.1761



0.7270, 0.3532, 0.1720

Previews

White Background



This preview shows how the Yxy color 42.1290, 0.2802, 0.2670 looks on a white background.

Color Contrast Check

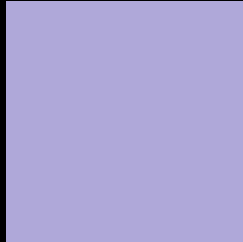
Large Text (above 18pt) WCAG AA × Fail

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 42.1290, 0.2802, 0.2670 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 42.1290, 0.2802, 0.2670

Background



This preview shows how black text looks on a background with the Yxy color 42.1290, 0.2802, 0.2670.



This preview shows how white text looks on a background with the Yxy color 42.1290, 0.2802, 0.2670.

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

42.1290, 0.2802, 0.2670

Protanopia

42.3537, 0.2685, 0.2671

Deuteranopia

42.0840, 0.2748, 0.2687



Tritanopia

42.0210, 0.2988, 0.3101

Trichromacy



Original Color

42.1290, 0.2802, 0.2670

Protanomaly

42.4558, 0.2728, 0.2676

Deuteranomaly

42.0436, 0.2771, 0.2678

Tritanomaly

41.9737, 0.2920, 0.2934

Monochromacy



Original Color

42.1290, 0.2802, 0.2670

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.8788, 0.3008, 0.3053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1290, 0.2802, 0.2670 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(175, 168, 217)` looks like.

```
.text, #text, p{  
    color:rgb(175, 168, 217)  
}
```

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(175, 168, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 168, 217) }
```

Border

The CSS property to change the border of an element to Yxy 42.1290, 0.2802, 0.2670 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(175, 168, 217) }
```

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

```
.border{ border-color:rgb(175, 168, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 168, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 168, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 168, 217);  
box-shadow:4px 4px 4px 4px rgb(175, 168,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1290, 0.2802, 0.2670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 168, 217) }
```

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

```
.background{ background-color: rgb(175,  
168, 217) }
```

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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