

Converting Colors

$Yxy(42.8432, 0.2862, 0.2802)$

Have a look what the booklet for
Yxy(42.8432, 0.2862, 0.2802)
contains.

Yxy(42.8432, 0.2862, 0.2802)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.8432, 0.2862, 0.2802)

Conversions

Conversions Part 1

Format	Color
Hex	AFABD1
RGB	175, 171, 209
RGB Percent	69%, 67%, 82%
CMY	0.3135, 0.3295, 0.1803
CMYK	0.16, 0.18, 0.00, 0.18
HSL	246°, 29%, 75%
HSV	246°, 18%, 82%
XYZ	43.7606, 42.8432, 66.2984
YIQ	176.5280, -9.8140, 12.6660

Conversions

Conversions Part 2

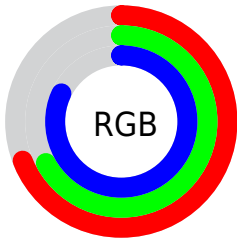
Format	Color
R _Y B	175, 171, 209
Decimal	11512785
CIE Lab	71.45, 9.15, -18.74
CIE LCh	71, 20.859, 296.031
Yxy	42.8432, 0.2862, 0.2802
Android (android.graphics.Color)	4289702865 (0xFFAFABD1)
YUV	176.5280, 16.0087, -1.3401
Hunter-Lab	65.4547, 4.7928, -14.2359

Details

The Yxy color $42.8432, 0.2862, 0.2802$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $61.5250, 0.3367, 0.3744$, and the grayscale version is $43.6291, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.6016, 0.2980, 0.2995$, and $19.6643, 0.2787, 0.2679$ is the 20% darker color. If you saturate the color by 10%, you get $33.5500, 0.2689, 0.2491$, and if you desaturate by 10%, it is $53.6872, 0.3016, 0.3083$.

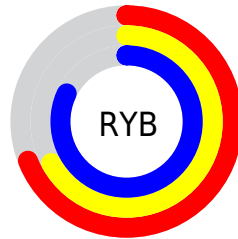
Distribution



Red (69%)

Green (67%)

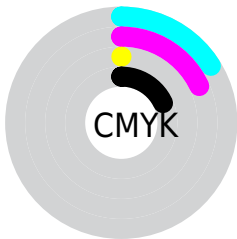
Blue (82%)



Red (69%)

Yellow (67%)

Blue (82%)

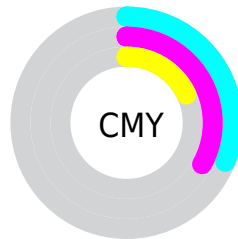


Cyan (16%)

Magenta (18%)

Yellow (0%)

Black (18%)



Cyan (31%)

Magenta (33%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8432, 0.2862, 0.2802 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 42.8432, 0.2862, 0.2802 by changing the saturation by 10% instead.

■ 42.8432, 0.2862,
0.2802

■ 42.8432, 0.2862,
0.2802

357.9665, 0.2997,
0.3043

■ 29.7621, 0.2828,
0.2743

■ 79.4742, 0.2912,
0.2889

■ 19.6581, 0.2783,
0.2668

103.7929, 0.2930,
0.2921

■ 12.1468, 0.2724,
0.2570

132.6262, 0.2946,
0.2949

■ 6.8437, 0.2640,
0.2436

166.3586, 0.2959,
0.2973

■ 3.3645, 0.2514,
0.2242

205.3744, 0.2970,
0.2994

■ 1.3249, 0.2307,
0.1941

250.0581, 0.2981,

■ 0.1603, 0.1773,

0.3012

0.0756

300.7940, 0.2989,
0.3028

0.0000, 0.0000,
0.0000

42.8432, 0.2862,
0.2802

42.8432, 0.2862,
0.2802

33.5500, 0.2689,
0.2491

53.6872, 0.3016,
0.3083

25.7316, 0.2500,
0.2157

66.1429, 0.3150,
0.3333

19.3136, 0.2300,
0.1812

80.2744, 0.3266,
0.3551

14.2127, 0.2099,
0.1473

96.1406, 0.3365,
0.3742

10.3372, 0.1910,
0.1165

97.3845, 0.3400,
0.3740

■ 7.5831, 0.1747,
0.0912

■ 5.8293, 0.1623,
0.0733

■ 4.9019, 0.1544,
0.0632

■ 4.7788, 0.1534,
0.0619

Harmonies

Analogous

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



42.8432, 0.2651, 0.2821



42.8432, 0.2862, 0.2802



42.8432, 0.3153, 0.2900

Triad

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



42.8432, 0.2862, 0.2802



42.8432, 0.3724, 0.3576



42.8432, 0.2803, 0.3497

Complementary

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



42.8432, 0.2862, 0.2802



61.5250, 0.3367, 0.3744

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.



42.8432, 0.3079, 0.3730



42.8432, 0.2862, 0.2802



42.8432, 0.3616, 0.3761

Square

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



42.8432, 0.2862, 0.2802



42.8432, 0.3663, 0.3331



42.8432, 0.3377, 0.3825



42.8432, 0.2618, 0.3210

Rectangle

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



42.8432, 0.2862, 0.2802



42.8432, 0.3356, 0.3018



42.8432, 0.3377, 0.3825



42.8432, 0.2888, 0.3586

Sweetspot

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



42.8450, 0.2862, 0.2802



90.0369, 0.3060, 0.3165



57.0283, 0.2853, 0.3242



18.9832, 0.3050, 0.3147



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.



42.8450, 0.2862, 0.2802



60.9846, 0.2794, 0.2679



45.1693, 0.3018, 0.2824



11.4772, 0.2998, 0.3051



2.9667, 0.1540, 0.0622



0.1868, 0.1653, 0.0684

Inverse Universe

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



47.0852, 0.3182, 0.2888



68.9009, 0.3195, 0.2796



59.0158, 0.3219, 0.3766



11.9864, 0.3154, 0.3085



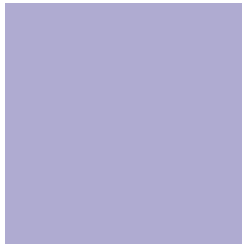
10.5703, 0.3496, 0.1699



0.5974, 0.3437, 0.1667

Previews

White Background



This preview shows how the Yxy color 42.8432, 0.2862, 0.2802 looks on a white background.

Color Contrast Check

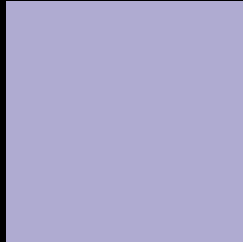
Large Text (above 18pt) WCAG AA × Fail

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 42.8432, 0.2862, 0.2802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

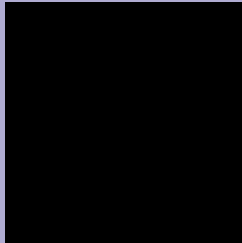
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8432, 0.2862, 0.2802

Background



This preview shows how black text looks on a background with the Yxy color 42.8432, 0.2862, 0.2802.



This preview shows how white text looks on a background with the Yxy color 42.8432, 0.2862, 0.2802.

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

42.8432, 0.2862, 0.2802

Protanopia

42.8058, 0.2785, 0.2796

Deuteranopia

42.8432, 0.2862, 0.2802



Tritanopia

42.9487, 0.2989, 0.3116

Trichromacy



Original Color

42.8432, 0.2862, 0.2802

Protanomaly

42.7042, 0.2815, 0.2798

Deuteranomaly

42.8432, 0.2862, 0.2802

Tritanomaly

43.0283, 0.2936, 0.2999

Monochromacy



Original Color

42.8432, 0.2862, 0.2802

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.5642, 0.3023, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8432, 0.2862, 0.2802 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, 171, 209)` looks like.

```
.text, #text, p{  
    color:rgb(175, 171, 209)  
}
```

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, 171, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 171, 209) }
```

Border

The CSS property to change the border of an element to Yxy 42.8432, 0.2862, 0.2802 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, 171, 209) }
```

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

```
.border{ border-color:rgb(175, 171, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 171, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 171, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 171, 209);  
box-shadow:4px 4px 4px 4px rgb(175, 171,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8432, 0.2862, 0.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 171, 209) }
```

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

```
.background{ background-color: rgb(175,  
171, 209) }
```

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