

Converting Colors

$Y_{xy}(42.4130, 0.2701, 0.2575)$

Have a look what the booklet for
Yxy(42.4130, 0.2701, 0.2575)
contains.

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Color

Yxy(42.4130, 0.2701, 0.2575)

Conversions

Conversions Part 1

Format	Color
Hex	AAA9E2
RGB	170, 169, 226
RGB Percent	67%, 66%, 89%
CMY	0.3335, 0.3372, 0.1136
CMYK	0.25, 0.25, 0.00, 0.11
HSL	241°, 50%, 77%
HSV	241°, 25%, 89%
XYZ	44.4884, 42.4130, 77.8093
YIQ	175.7970, -17.7010, 17.9390

Conversions

Conversions Part 2

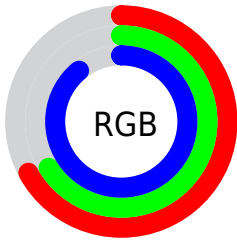
Format	Color
RYB	170, 169, 226
Decimal	11184610
CIELab	71.15, 12.55, -28.54
CIElCh	71, 31.178, 293.733
Yxy	42.4130, 0.2701, 0.2575
Android (android.graphics.Color)	4289374690 (0xFFAAA9E2)
YUV	175.7970, 24.7501, -5.0840
Hunter-Lab	65.1253, 7.9677, -25.2499

Details

The Yxy color $42.4130, 0.2701, 0.2575$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $73.2907, 0.3500, 0.3920$, and the grayscale version is $43.1789, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.7001, 0.2946, 0.2971$, and $19.4068, 0.2586, 0.2395$ is the 20% darker color. If you saturate the color by 10%, you get $32.4479, 0.2499, 0.2238$, and if you desaturate by 10%, it is $54.2539, 0.2886, 0.2884$.

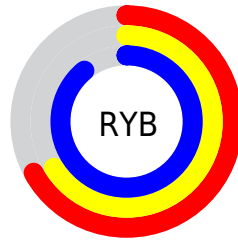
Distribution



Red (67%)

Green (66%)

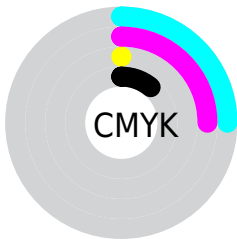
Blue (89%)



Red (67%)

Yellow (66%)

Blue (89%)

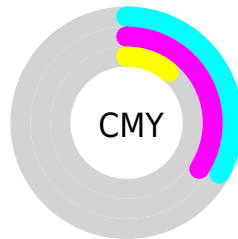


Cyan (25%)

Magenta (25%)

Yellow (0%)

Black (11%)



Cyan (33%)

Magenta (34%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4130, 0.2701, 0.2575 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 42.4130, 0.2701, 0.2575 by changing the saturation by 10% instead.

■ 42.4130, 0.2701,
0.2575

■ 42.4130, 0.2701,
0.2575

356.1921, 0.2917,
0.2923

■ 29.4248, 0.2647,
0.2492

■ 78.8243, 0.2780,
0.2699

■ 19.4024, 0.2577,
0.2388

103.0162, 0.2809,
0.2746

■ 11.9614, 0.2486,
0.2253

131.7115, 0.2834,
0.2786

■ 6.7174, 0.2359,
0.2073

165.2945, 0.2856,
0.2821

■ 3.2860, 0.2175,
0.1825

204.1497, 0.2874,
0.2851

■ 1.2828, 0.1889,
0.1464

248.6614, 0.2890,

■ 0.1278, 0.1326,

0.2878

0.0396

299.2141, 0.2904,
0.2902

0.0000, 0.0000,
0.0000

42.4130, 0.2701,
0.2575

42.4130, 0.2701,
0.2575

32.4479, 0.2499,
0.2238

54.2539, 0.2886,
0.2884

24.2577, 0.2286,
0.1883

68.0545, 0.3050,
0.3160

17.7397, 0.2073,
0.1531

83.8998, 0.3193,
0.3401

12.7787, 0.1876,
0.1205

98.2723, 0.3297,
0.3571

9.2451, 0.1710,
0.0933

■ 6.9881, 0.1590,
0.0739

■ 5.8233, 0.1522,
0.0632

■ 5.5164, 0.1504,
0.0602

Harmonies

Analogous

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



42.4130, 0.2411, 0.2607



42.4130, 0.2701, 0.2575



42.4130, 0.3124, 0.2706

Triad

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



42.4130, 0.2701, 0.2575



42.4130, 0.4026, 0.3668



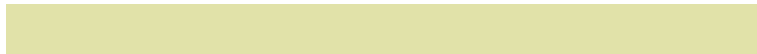
42.4130, 0.2669, 0.3636

Complementary

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



42.4130, 0.2701, 0.2575



73.2907, 0.3500, 0.3920

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.



42.4130, 0.3080, 0.3988



42.4130, 0.2701, 0.2575



42.4130, 0.3874, 0.3967

Square

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



42.4130, 0.2701, 0.2575



42.4130, 0.3918, 0.3309



42.4130, 0.3522, 0.4103



42.4130, 0.2392, 0.3190

Rectangle

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



42.4130, 0.2701, 0.2575



42.4130, 0.3431, 0.2868



42.4130, 0.3522, 0.4103



42.4130, 0.2795, 0.3773

Sweetspot

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



42.4147, 0.2701, 0.2575



84.0595, 0.3005, 0.3085



68.3342, 0.2758, 0.3289



17.3921, 0.2981, 0.3044



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.



42.4147, 0.2701, 0.2575



48.9356, 0.2602, 0.2410



45.8137, 0.2919, 0.2618



13.2541, 0.2983, 0.3048



3.1514, 0.1506, 0.0603



0.2223, 0.1521, 0.0612

Inverse Universe

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



49.9941, 0.3164, 0.2674



60.4387, 0.3172, 0.2552



69.2109, 0.3295, 0.3964



13.9315, 0.3140, 0.3063



12.2427, 0.3251, 0.1564



0.8499, 0.3244, 0.1561

Previews

White Background



This preview shows how the Yxy color 42.4130, 0.2701, 0.2575 looks on a white background.

Color Contrast Check

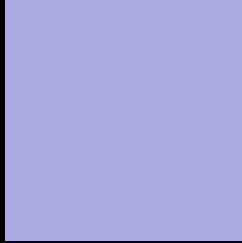
Large Text (above 18pt) WCAG AA × Fail

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 42.4130, 0.2701, 0.2575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

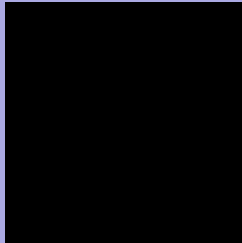
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4130, 0.2701, 0.2575

Background



This preview shows how black text looks on a background with the Yxy color 42.4130, 0.2701, 0.2575.



This preview shows how white text looks on a background with the Yxy color 42.4130, 0.2701, 0.2575.

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

42.4130, 0.2701, 0.2575

Protanopia

42.4774, 0.2612, 0.2577

Deuteranopia

42.4033, 0.2652, 0.2591



Tritanopia

42.5549, 0.2908, 0.3099

Trichromacy



Original Color

42.4130, 0.2701, 0.2575

Protanomaly

42.4584, 0.2645, 0.2580

Deuteranomaly

42.3474, 0.2673, 0.2582

Tritanomaly

42.3059, 0.2834, 0.2893

Monochromacy



Original Color

42.4130, 0.2701, 0.2575

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.7809, 0.2968, 0.3013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4130, 0.2701, 0.2575 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(170, 169, 226)` looks like.

```
.text, #text, p{  
    color:rgb(170, 169, 226)  
}
```

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(170, 169, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 169, 226) }
```

Border

The CSS property to change the border of an element to Yxy 42.4130, 0.2701, 0.2575 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(170, 169, 226) }
```

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

```
.border{ border-color:rgb(170, 169, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 169, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 169, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 169, 226);  
box-shadow:4px 4px 4px 4px rgb(170, 169,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4130, 0.2701, 0.2575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 169, 226) }
```

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

```
.background{ background-color: rgb(170,  
169, 226) }
```

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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