

Converting Colors

$Y_{xy}(42.5083, 0.2845, 0.2813)$

Have a look what the booklet for
Yxy(42.5083, 0.2845, 0.2813)
contains.

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Color

Yxy(42.4505, 0.2845, 0.2811)

Conversions

Conversions Part 1

Format	Color
Hex	ACABD0
RGB	172, 171, 208
RGB Percent	67%, 67%, 82%
CMY	0.3254, 0.3294, 0.1843
CMYK	0.17, 0.18, 0.00, 0.18
HSL	242°, 28%, 74%
HSV	242°, 18%, 82%
XYZ	42.9640, 42.4505, 65.6012
YIQ	175.5170, -11.2810, 11.7190

Conversions

Conversions Part 2

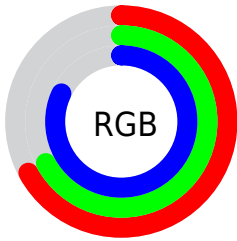
Format	Color
RYB	172, 171, 208
Decimal	11316176
CIELab	71.18, 7.95, -18.61
CIELCh	71, 20.237, 293.138
Yxy	42.4505, 0.2845, 0.2811
Android (android.graphics.Color)	4289506256 (0xFFACABD0)
YUV	175.5170, 16.0141, -3.0844
Hunter-Lab	65.1540, 3.6871, -14.0891

Details

The Yxy color $42.4505, 0.2845, 0.2811$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $61.3123, 0.3384, 0.3730$, and the grayscale version is $43.0735, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.1067, 0.2960, 0.2993$, and $19.4487, 0.2754, 0.2673$ is the 20% darker color. If you saturate the color by 10%, you get $33.0859, 0.2659, 0.2497$, and if you desaturate by 10%, it is $53.4033, 0.3012, 0.3093$.

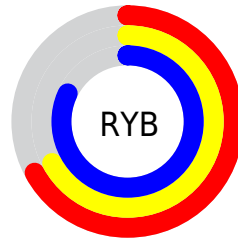
Distribution



Red (67%)

Green (67%)

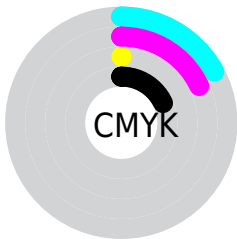
Blue (82%)



Red (67%)

Yellow (67%)

Blue (82%)

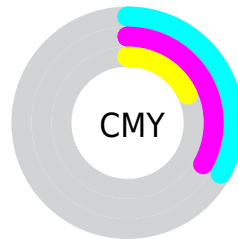


Cyan (17%)

Magenta (18%)

Yellow (0%)

Black (18%)



Cyan (33%)

Magenta (33%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4505, 0.2845, 0.2811 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 42.4505, 0.2845, 0.2811 by changing the saturation by 10% instead.

■ 42.4505, 0.2845,
0.2811

■ 42.4505, 0.2845,
0.2811

356.3470, 0.2989,
0.3048

■ 29.4542, 0.2809,
0.2753

■ 78.8810, 0.2898,
0.2897

■ 19.4247, 0.2761,
0.2679

103.0840, 0.2917,
0.2929

■ 11.9775, 0.2698,
0.2581

131.7913, 0.2934,
0.2956

■ 6.7284, 0.2610,
0.2447

165.3874, 0.2948,
0.2980

■ 3.2928, 0.2477,
0.2253

204.2566, 0.2960,
0.3000

■ 1.2865, 0.2258,
0.1951

248.7834, 0.2971,

■ 0.1307, 0.1611,

0.3018

0.0661

299.3520, 0.2980,
0.3034

0.0000, 0.0000,
0.0000

42.4505, 0.2845,
0.2811

42.4505, 0.2845,
0.2811

33.0859, 0.2659,
0.2497

53.4033, 0.3012,
0.3093

25.2308, 0.2456,
0.2157

66.0076, 0.3158,
0.3342

18.8079, 0.2245,
0.1803

80.3297, 0.3284,
0.3558

13.7308, 0.2036,
0.1457

96.4308, 0.3393,
0.3745

9.9039, 0.1845,
0.1143

97.3339, 0.3406,
0.3751

■ 7.2189, 0.1688,
0.0888

■ 5.5492, 0.1577,
0.0712

■ 4.7197, 0.1516,
0.0619

■ 4.5910, 0.1507,
0.0604

Harmonies

Analogous

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



42.4505, 0.2649, 0.2842



42.4505, 0.2845, 0.2811



42.4505, 0.3124, 0.2896

Triad

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



42.4505, 0.2845, 0.2811



42.4505, 0.3709, 0.3547



42.4505, 0.2835, 0.3517

Complementary

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



42.4505, 0.2845, 0.2811



61.3123, 0.3384, 0.3730

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.



42.4505, 0.3109, 0.3733



42.4505, 0.2845, 0.2811



42.4505, 0.3620, 0.3736

Square

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



42.4505, 0.2845, 0.2811



42.4505, 0.3634, 0.3307



42.4505, 0.3397, 0.3811



42.4505, 0.2644, 0.3239

Rectangle

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



42.4505, 0.2845, 0.2811



42.4505, 0.3322, 0.3006



42.4505, 0.3397, 0.3811



42.4505, 0.2920, 0.3601

Sweetspot

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



42.4522, 0.2845, 0.2811



89.8572, 0.3054, 0.3165



58.0219, 0.2861, 0.3282



18.9397, 0.3043, 0.3146



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.



42.4522, 0.2845, 0.2811



61.8900, 0.2783, 0.2706



44.6411, 0.2995, 0.2832



11.4330, 0.2986, 0.3050



2.8684, 0.1510, 0.0605



0.1660, 0.1541, 0.0622

Inverse Universe

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



47.0385, 0.3156, 0.2864



70.3685, 0.3162, 0.2780



58.8541, 0.3241, 0.3751



12.0032, 0.3142, 0.3067



11.0255, 0.3279, 0.1580



0.6183, 0.3265, 0.1572

Previews

White Background



This preview shows how the Yxy color 42.4505, 0.2845, 0.2811 looks on a white background.

Color Contrast Check

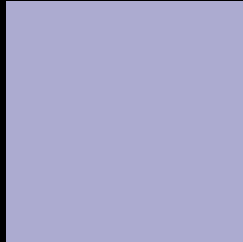
Large Text (above 18pt) WCAG AA × Fail

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 42.4505, 0.2845, 0.2811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

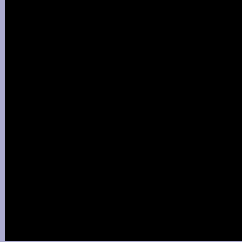
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4505, 0.2845, 0.2811

Background



This preview shows how black text looks on a background with the Yxy color 42.4505, 0.2845, 0.2811.



This preview shows how white text looks on a background with the Yxy color 42.4505, 0.2845, 0.2811.

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

42.4505, 0.2845, 0.2811

Protanopia

42.5976, 0.2791, 0.2819

Deuteranopia

42.3022, 0.2860, 0.2800



Tritanopia

42.2278, 0.2964, 0.3101

Trichromacy



Original Color

42.4505, 0.2845, 0.2811

Protanomaly

42.4333, 0.2806, 0.2808

Deuteranomaly

42.1878, 0.2852, 0.2799

Tritanomaly

42.2623, 0.2918, 0.2997

Monochromacy



Original Color

42.4505, 0.2845, 0.2811

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.0169, 0.3023, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4505, 0.2845, 0.2811 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(172, 171, 208)` looks like.

```
.text, #text, p{  
    color:rgb(172, 171, 208)  
}
```

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(172, 171, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 171, 208) }
```

Border

The CSS property to change the border of an element to Yxy 42.4505, 0.2845, 0.2811 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(172, 171, 208) }
```

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

```
.border{ border-color:rgb(172, 171, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 171, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 171, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 171, 208);  
box-shadow:4px 4px 4px 4px rgb(172, 171,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4505, 0.2845, 0.2811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 171, 208) }
```

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

```
.background{ background-color: rgb(172,  
171, 208) }
```

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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