

Converting Colors

$Yxy(42.3584, 0.2845, 0.2544)$

Have a look what the booklet for
Yxy(42.3584, 0.2845, 0.2544)
contains.

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Color

Yxy(42.3220, 0.2846, 0.2540)

Conversions

Conversions Part 1

Format	Color
Hex	BCA3E1
RGB	188, 163, 225
RGB Percent	74%, 64%, 88%
CMY	0.2628, 0.3607, 0.1178
CMYK	0.16, 0.28, 0.00, 0.12
HSL	264°, 51%, 76%
HSV	264°, 28%, 88%
XYZ	47.4206, 42.3220, 76.8794
YIQ	177.5430, -5.0020, 24.5820

Conversions

Conversions Part 2

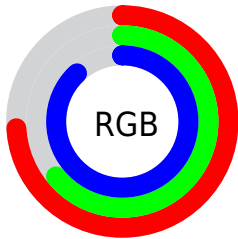
Format	Color
R _Y B	188, 163, 225
Decimal	12362721
CIE Lab	71.09, 21.17, -27.93
CIE LCh	71, 35.047, 307.152
Yxy	42.3220, 0.2846, 0.2540
Android (android.graphics.Color)	4290552801 (0xFFBCA3E1)
YUV	177.5430, 23.3963, 9.1708
Hunter-Lab	65.0554, 16.2667, -24.5274

Details

The Yxy color $42.3220, 0.2846, 0.2540$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $68.7557, 0.3353, 0.4021$, and the grayscale version is $44.1434, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.7753, 0.3075, 0.2922$, and $19.3395, 0.2754, 0.2339$ is the 20% darker color. If you saturate the color by 10%, you get $33.4054, 0.2716, 0.2234$, and if you desaturate by 10%, it is $52.8218, 0.2961, 0.2831$.

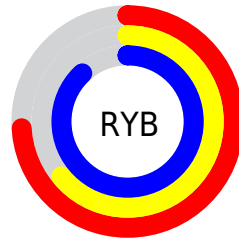
Distribution



Red (74%)

Green (64%)

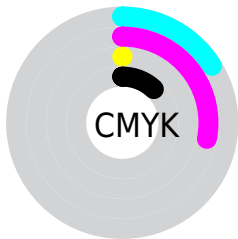
Blue (88%)



Red (74%)

Yellow (64%)

Blue (88%)

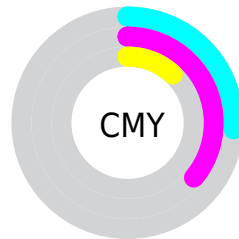


Cyan (16%)

Magenta (28%)

Yellow (0%)

Black (12%)



Cyan (26%)


Magenta (36%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3220, 0.2846, 0.2540 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 42.3220, 0.2846, 0.2540 by changing the saturation by 10% instead.


 42.3220, 0.2846,
0.2540


 42.3220, 0.2846,
0.2540


355.8160, 0.2993,
0.2901

 29.3535, 0.2808,
0.2455


 78.6867, 0.2900,
0.2667

 19.3484, 0.2759,
0.2348


 102.8518, 0.2920,
0.2716

 11.9223, 0.2693,
0.2212


131.5177, 0.2937,
0.2758

 6.6908, 0.2600,
0.2031

165.0691, 0.2952,
0.2794

 3.2695, 0.2460,
0.1783

203.8902, 0.2964,
0.2826

 1.2740, 0.2235,
0.1427

248.3655, 0.2975,

 0.1209, 0.1899,

0.2854

0.0363

298.8793, 0.2984,
0.2879

0.0000, 0.0000,
0.0000

42.3220, 0.2846,
0.2540

42.3220, 0.2846,
0.2540

33.4054, 0.2716,
0.2234

52.8218, 0.2961,
0.2831

25.9871, 0.2574,
0.1923

64.9733, 0.3061,
0.3102

19.9820, 0.2423,
0.1620

78.8476, 0.3147,
0.3348

15.2943, 0.2268,
0.1342

94.5097, 0.3220,
0.3570

11.8154, 0.2119,
0.1107

98.2144, 0.3304,
0.3582

■ 9.4186, 0.1982,
0.0928

■ 7.9340, 0.1864,
0.0810

■ 7.6428, 0.1837,
0.0786

Harmonies

Analogous

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



42.3220, 0.2449, 0.2489



42.3220, 0.2846, 0.2540



42.3220, 0.3354, 0.2755

Triad

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



42.3220, 0.2846, 0.2540



42.3220, 0.4093, 0.3870



42.3220, 0.2451, 0.3452

Complementary

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



42.3220, 0.2846, 0.2540



68.7557, 0.3353, 0.4021

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.



42.3220, 0.2852, 0.3930



42.3220, 0.2846, 0.2540



42.3220, 0.3805, 0.4146

Square

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



42.3220, 0.2846, 0.2540



42.3220, 0.4109, 0.3485



42.3220, 0.3347, 0.4191



42.3220, 0.2236, 0.2967

Rectangle

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



42.3220, 0.2846, 0.2540



42.3220, 0.3686, 0.2968



42.3220, 0.3347, 0.4191



42.3220, 0.2567, 0.3623

Sweetspot

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



42.3237, 0.2846, 0.2540



85.4312, 0.3056, 0.3088



54.6171, 0.2697, 0.2982



17.7351, 0.3042, 0.3049



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.



42.3237, 0.2846, 0.2540



49.2360, 0.2774, 0.2367



46.6585, 0.3106, 0.2596



13.5116, 0.3043, 0.3052



4.4695, 0.1853, 0.0794



0.3610, 0.2027, 0.0890

Inverse Universe

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



46.3714, 0.3376, 0.2869



55.5538, 0.3443, 0.2778



64.9356, 0.3132, 0.4073



13.8372, 0.3199, 0.3151



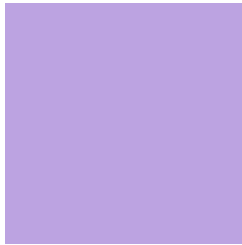
10.2446, 0.4547, 0.2279



0.7277, 0.4285, 0.2134

Previews

White Background



This preview shows how the Yxy color 42.3220, 0.2846, 0.2540 looks on a white background.

Color Contrast Check

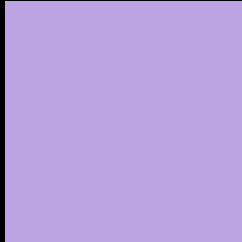
Large Text (above 18pt) WCAG AA × Fail

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 42.3220, 0.2846, 0.2540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

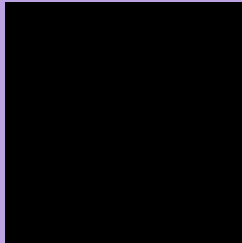
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3220, 0.2846, 0.2540

Background



This preview shows how black text looks on a background with the Yxy color 42.3220, 0.2846, 0.2540.



This preview shows how white text looks on a background with the Yxy color 42.3220, 0.2846, 0.2540.

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

42.3220, 0.2846, 0.2540

Protanopia

42.6003, 0.2580, 0.2531

Deuteranopia

42.4529, 0.2686, 0.2628



Tritanopia

42.4103, 0.3108, 0.3119

Trichromacy



Original Color

42.3220, 0.2846, 0.2540

Protanomaly

42.4681, 0.2674, 0.2541

Deuteranomaly

42.2713, 0.2737, 0.2589

Tritanomaly

42.3191, 0.3013, 0.2893

Monochromacy



Original Color

42.3220, 0.2846, 0.2540

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.7724, 0.3028, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3220, 0.2846, 0.2540 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(188, 163, 225)` looks like.

```
.text, #text, p{  
    color:rgb(188, 163, 225)  
}
```

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(188, 163, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 163, 225) }
```

Border

The CSS property to change the border of an element to Yxy 42.3220, 0.2846, 0.2540 is called "border". The border property can be set on classes, ids or directly on the HTML element.

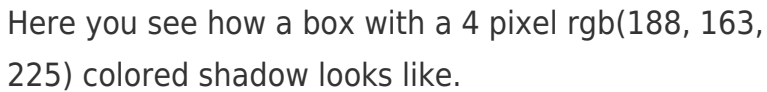
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 163, 225) }
```

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

```
.border{ border-color:rgb(188, 163, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 163, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 163, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 163, 225); box-shadow:4px 4px 4px 4px rgb(188, 163, 225) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3220, 0.2846, 0.2540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 163, 225) }
```

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

```
.background{ background-color: rgb(188,  
163, 225) }
```

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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