

Converting Colors

$Y_{xy}(42.5781, 0.2840, 0.2720)$

Have a look what the booklet for
Yxy(42.5781, 0.2840, 0.2720)
contains.

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Color

Yxy(42.5781, 0.2840, 0.2720)

Conversions

Conversions Part 1

Format	Color
Hex	B1A9D6
RGB	177, 169, 214
RGB Percent	69%, 66%, 84%
CMY	0.3059, 0.3372, 0.1607
CMYK	0.17, 0.21, 0.00, 0.16
HSL	251°, 35%, 75%
HSV	251°, 21%, 84%
XYZ	44.4565, 42.5781, 69.5025
YIQ	176.5220, -9.6770, 15.6910

Conversions

Conversions Part 2

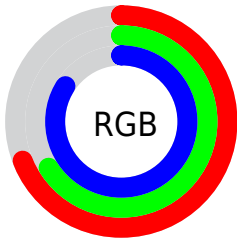
Format	Color
R _Y B	177, 169, 214
Decimal	11643350
CIE Lab	71.27, 11.97, -21.74
CIE LCh	71, 24.819, 298.832
Yxy	42.5781, 0.2840, 0.2720
Android (android.graphics.Color)	4289833430 (0xFFB1A9D6)
YUV	176.5220, 18.4767, 0.4192
Hunter-Lab	65.2519, 7.4224, -17.4759

Details

The Yxy color $42.5781, 0.2840, 0.2720$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $64.0910, 0.3380, 0.3822$, and the grayscale version is $43.6087, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.8549, 0.2993, 0.2975$, and $19.5109, 0.2758, 0.2570$ is the 20% darker color. If you saturate the color by 10%, you get $33.3221, 0.2675, 0.2406$, and if you desaturate by 10%, it is $53.4075, 0.2987, 0.3007$.

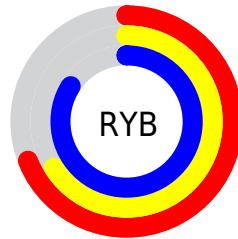
Distribution



Red (69%)

Green (66%)

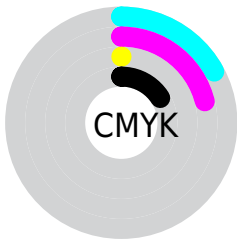
Blue (84%)



Red (69%)

Yellow (66%)

Blue (84%)

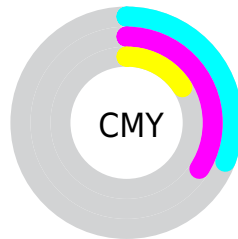


Cyan (17%)

Magenta (21%)

Yellow (0%)

Black (16%)



Cyan (31%)

Magenta (34%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5781, 0.2840, 0.2720 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 42.5781, 0.2840, 0.2720 by changing the saturation by 10% instead.

■ 42.5781, 0.2840,
0.2720

■ 42.5781, 0.2840,
0.2720

■ 356.8738, 0.2987,
0.2999

■ 29.5542, 0.2803,
0.2652

■ 79.0738, 0.2894,
0.2820

■ 19.5005, 0.2754,
0.2567

■ 103.3144, 0.2914,
0.2858

■ 12.0325, 0.2689,
0.2455

■ 132.0628, 0.2931,
0.2890

■ 6.7658, 0.2598,
0.2303

■ 165.7032, 0.2946,
0.2918

■ 3.3161, 0.2462,
0.2088

■ 204.6201, 0.2958,
0.2943

■ 1.2989, 0.2239,
0.1761

■ 249.1979, 0.2969,

■ 0.1403, 0.1754,

0.2964

0.0578

299.8210, 0.2978,
0.2983

0.0000, 0.0000,
0.0000

42.5781, 0.2840,
0.2720

42.5781, 0.2840,
0.2720

33.3221, 0.2675,
0.2406

53.4075, 0.2987,
0.3007

25.5610, 0.2495,
0.2074

65.8738, 0.3115,
0.3265

19.2169, 0.2304,
0.1736

80.0431, 0.3226,
0.3493

14.2031, 0.2112,
0.1410

95.9765, 0.3320,
0.3693

10.4232, 0.1931,
0.1120

97.6358, 0.3369,
0.3691

■ 7.7674, 0.1774,
0.0886

■ 6.1058, 0.1652,
0.0726

■ 5.2673, 0.1575,
0.0641

Harmonies

Analogous

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



42.5781, 0.2581, 0.2726



42.5781, 0.2840, 0.2720



42.5781, 0.3190, 0.2847

Triad

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



42.5781, 0.2840, 0.2720



42.5781, 0.3835, 0.3648



42.5781, 0.2715, 0.3506

Complementary

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



42.5781, 0.2840, 0.2720



64.0910, 0.3380, 0.3822

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.



42.5781, 0.3034, 0.3800



42.5781, 0.2840, 0.2720



42.5781, 0.3687, 0.3863

Square

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



42.5781, 0.2840, 0.2720



42.5781, 0.3783, 0.3362



42.5781, 0.3390, 0.3930



42.5781, 0.2512, 0.3160

Rectangle

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



42.5781, 0.2840, 0.2720



42.5781, 0.3431, 0.2991



42.5781, 0.3390, 0.3930



42.5781, 0.2812, 0.3616

Sweetspot

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



42.5799, 0.2840, 0.2720



88.3144, 0.3053, 0.3139



57.6813, 0.2809, 0.3196



18.6425, 0.3044, 0.3122



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.



42.5799, 0.2840, 0.2720



57.2257, 0.2773, 0.2591



45.3774, 0.3023, 0.2750



12.1136, 0.3009, 0.3051



3.2153, 0.1584, 0.0646



0.2266, 0.1738, 0.0731

Inverse Universe

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



47.1339, 0.3218, 0.2858



65.1435, 0.3239, 0.2769



61.1565, 0.3211, 0.3851



12.5931, 0.3165, 0.3100



10.5504, 0.3713, 0.1819



0.6465, 0.3611, 0.1763

Previews

White Background



This preview shows how the Yxy color 42.5781, 0.2840, 0.2720 looks on a white background.

Color Contrast Check

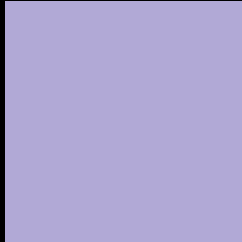
Large Text (above 18pt) WCAG AA × Fail

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 42.5781, 0.2840, 0.2720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

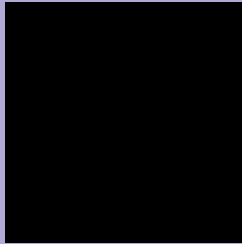
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5781, 0.2840, 0.2720

Background



This preview shows how black text looks on a background with the Yxy color 42.5781, 0.2840, 0.2720.



This preview shows how white text looks on a background with the Yxy color 42.5781, 0.2840, 0.2720.

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

42.5781, 0.2840, 0.2720

Protanopia

42.7894, 0.2721, 0.2722

Deuteranopia

42.7515, 0.2802, 0.2740



Tritanopia

42.6306, 0.3005, 0.3116

Trichromacy



Original Color

42.5781, 0.2840, 0.2720

Protanomaly

42.8979, 0.2765, 0.2726

Deuteranomaly

42.6032, 0.2817, 0.2729

Tritanomaly

42.5349, 0.2944, 0.2962

Monochromacy



Original Color

42.5781, 0.2840, 0.2720

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.3369, 0.3024, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5781, 0.2840, 0.2720 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(177, 169, 214)` looks like.

```
.text, #text, p{  
    color:rgb(177, 169, 214)  
}
```

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(177, 169, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 169, 214) }
```

Border

The CSS property to change the border of an element to Yxy 42.5781, 0.2840, 0.2720 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(177, 169, 214) }
```

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

```
.border{ border-color:rgb(177, 169, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 169, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 169, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 169, 214);  
box-shadow:4px 4px 4px 4px rgb(177, 169,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5781, 0.2840, 0.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 169, 214) }
```

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

```
.background{ background-color: rgb(177,  
169, 214) }
```

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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