

Converting Colors

$Y_{xy}(40.7845, 0.2910, 0.2663)$

Have a look what the booklet for
Yxy(40.7845, 0.2910, 0.2663)
contains.

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Color

Yxy(40.7845, 0.2910, 0.2663)

Conversions

Conversions Part 1

Format	Color
Hex	B8A2D4
RGB	184, 162, 212
RGB Percent	72%, 64%, 83%
CMY	0.2785, 0.3647, 0.1687
CMYK	0.13, 0.24, 0.00, 0.17
HSL	266°, 37%, 73%
HSV	266°, 24%, 83%
XYZ	44.5674, 40.7845, 67.8006
YIQ	174.2780, -2.9380, 20.2140

Conversions

Conversions Part 2

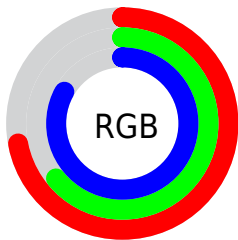
Format	Color
RYB	184, 162, 212
Decimal	12100308
CIELab	70.02, 17.65, -22.47
CIELCh	70, 28.571, 308.150
Yxy	40.7845, 0.2910, 0.2663
Android (android.graphics.Color)	4290290388 (0xFFB8A2D4)
YUV	174.2780, 18.5969, 8.5262
Hunter-Lab	63.8627, 12.8085, -18.2420

Details

The Yxy color $40.7845, 0.2910, 0.2663$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $60.6370, 0.3307, 0.3909$, and the grayscale version is $42.3816, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.3710, 0.3040, 0.2908$, and $18.3320, 0.2838, 0.2493$ is the 20% darker color. If you saturate the color by 10%, you get $32.5306, 0.2794, 0.2366$, and if you desaturate by 10%, it is $50.4238, 0.3012, 0.2944$.

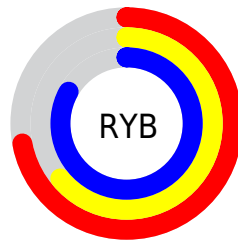
Distribution



Red (72%)

Green (64%)

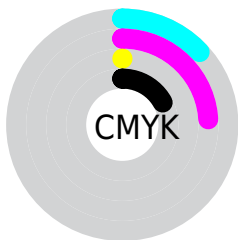
Blue (83%)



Red (72%)

Yellow (64%)

Blue (83%)

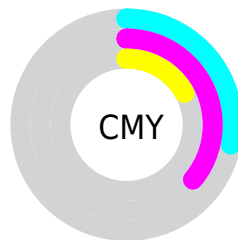


Cyan (13%)

Magenta (24%)

Yellow (0%)

Black (17%)



Cyan (28%)

Magenta (36%)

Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7845, 0.2910, 0.2663 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 40.7845, 0.2910, 0.2663 by changing the saturation by 10% instead.

 40.7845, 0.2910,
0.2663


 40.7845, 0.2910,
0.2663


349.4191, 0.3024,
0.2970

 28.1507, 0.2880,
0.2589

 76.3567, 0.2953,
0.2773

 18.4393, 0.2841,
0.2495


 100.0638, 0.2968,
0.2814

 11.2659, 0.2787,
0.2373


128.2309, 0.2981,
0.2850

 6.2459, 0.2711,
0.2209

161.2423, 0.2993,
0.2880

 2.9952, 0.2593,
0.1975

199.4825, 0.3002,
0.2907

 1.1292, 0.2394,
0.1625

243.3357, 0.3010,

 0.0027, 0.2018,

0.2931


0.0013


293.1865, 0.3018,
0.2951


 0.0000, 0.0000,
0.0000


 40.7845, 0.2910,
0.2663

 40.7845, 0.2910,
0.2663


 32.5306, 0.2794,
0.2366


 50.4238, 0.3012,
0.2944


 25.5910, 0.2666,
0.2061


 61.5050, 0.3099,
0.3203


 19.8957, 0.2526,
0.1760

 74.0875, 0.3174,
0.3439

 15.3659, 0.2381,
0.1476

 88.2260, 0.3237,
0.3652

 11.9135, 0.2236,
0.1228

 95.3929, 0.3305,
0.3721

■ 9.4373, 0.2098,
0.1028

■ 97.5328, 0.3382,
0.3711

■ 7.8153, 0.1974,
0.0887

■ 7.0919, 0.1903,
0.0822

Harmonies

Analogous

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



40.7845, 0.2571, 0.2618



40.7845, 0.2910, 0.2663



40.7845, 0.3332, 0.2849

Triad

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



40.7845, 0.2910, 0.2663



40.7845, 0.3923, 0.3791



40.7845, 0.2557, 0.3413

Complementary

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



40.7845, 0.2910, 0.2663



60.6370, 0.3307, 0.3909

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.



40.7845, 0.2891, 0.3800



40.7845, 0.2910, 0.2663



40.7845, 0.3683, 0.4005

Square

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



40.7845, 0.2910, 0.2663



40.7845, 0.3939, 0.3474



40.7845, 0.3303, 0.4022



40.7845, 0.2378, 0.3018

Rectangle

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



40.7845, 0.2910, 0.2663



40.7845, 0.3602, 0.3033



40.7845, 0.3303, 0.4022



40.7845, 0.2654, 0.3551

Sweetspot

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



40.7862, 0.2910, 0.2663



87.2878, 0.3070, 0.3115



49.4053, 0.2759, 0.3011



18.4599, 0.3065, 0.3099



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.



40.7862, 0.2910, 0.2663



55.7822, 0.2857, 0.2525



44.1021, 0.3125, 0.2702



12.2732, 0.3049, 0.3054



4.4360, 0.1917, 0.0830



0.3161, 0.2113, 0.0938

Inverse Universe

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



43.5574, 0.3348, 0.2954



60.7351, 0.3404, 0.2884



57.7250, 0.3120, 0.3946



12.5362, 0.3204, 0.3160



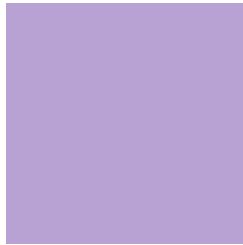
9.4803, 0.4695, 0.2360



0.5883, 0.4369, 0.2180

Previews

White Background



This preview shows how the Yxy color 40.7845, 0.2910, 0.2663 looks on a white background.

Color Contrast Check

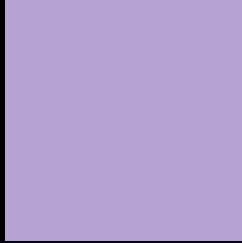
Large Text (above 18pt) WCAG AA × Fail

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 40.7845, 0.2910, 0.2663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

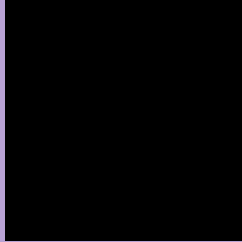
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7845, 0.2910, 0.2663

Background



This preview shows how black text looks on a background with the Yxy color 40.7845, 0.2910, 0.2663.



This preview shows how white text looks on a background with the Yxy color 40.7845, 0.2910, 0.2663.

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

40.7845, 0.2910, 0.2663

Protanopia

40.7566, 0.2678, 0.2662

Deuteranopia

41.0332, 0.2789, 0.2730



Tritanopia

40.9252, 0.3117, 0.3117

Trichromacy



Original Color

40.7845, 0.2910, 0.2663

Protanomaly

40.5036, 0.2758, 0.2657

Deuteranomaly

40.9743, 0.2836, 0.2712

Tritanomaly

40.9020, 0.3044, 0.2950

Monochromacy



Original Color

40.7845, 0.2910, 0.2663

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.8453, 0.3050, 0.3052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7845, 0.2910, 0.2663 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(184, 162, 212)` looks like.

```
.text, #text, p{  
    color:rgb(184, 162, 212)  
}
```

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(184, 162, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 162, 212) }
```

Border

The CSS property to change the border of an element to Yxy 40.7845, 0.2910, 0.2663 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(184, 162, 212) }
```

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

```
.border{ border-color:rgb(184, 162, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 162, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 162, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 162, 212);  
box-shadow:4px 4px 4px 4px rgb(184, 162,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7845, 0.2910, 0.2663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 162, 212) }
```

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

```
.background{ background-color: rgb(184,  
162, 212) }
```

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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