

Converting Colors

$Y_{xy}(42.7135, 0.2994, 0.2766)$

Have a look what the booklet for
Yxy(42.7135, 0.2994, 0.2766)
contains.

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Color

Yxy(42.7737, 0.2994, 0.2768)

Conversions

Conversions Part 1

Format	Color
Hex	BEA6D0
RGB	190, 166, 208
RGB Percent	75%, 65%, 82%
CMY	0.2547, 0.3491, 0.1843
CMYK	0.09, 0.20, 0.00, 0.18
HSL	274°, 31%, 73%
HSV	274°, 20%, 82%
XYZ	46.2661, 42.7737, 65.4895
YIQ	177.9640, 0.8220, 18.1500

Conversions

Conversions Part 2

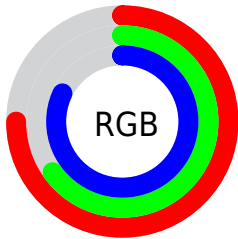
Format	Color
RYB	190, 166, 208
Decimal	12494544
CIELab	71.40, 16.59, -18.13
CIELCh	71, 24.577, 312.457
Yxy	42.7737, 0.2994, 0.2768
Android (android.graphics.Color)	4290684624 (0xFFBEA6D0)
YUV	177.9640, 14.8077, 10.5556
Hunter-Lab	65.4016, 11.8207, -13.5886

Details

The Yxy color $42.7737, 0.2994, 0.2768$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $58.0444, 0.3238, 0.3821$, and the grayscale version is $44.4244, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.7071, 0.3088, 0.2954$, and $19.6020, 0.2942, 0.2621$ is the 20% darker color. If you saturate the color by 10%, you get $34.7063, 0.2911, 0.2487$, and if you desaturate by 10%, it is $52.1374, 0.3065, 0.3036$.

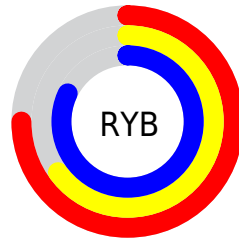
Distribution



Red (75%)

Green (65%)

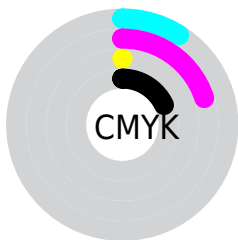
Blue (82%)



Red (75%)

Yellow (65%)

Blue (82%)

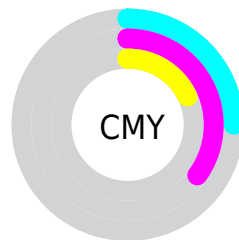


Cyan (9%)

Magenta (20%)

Yellow (0%)

Black (18%)



Cyan (25%)

Magenta (35%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7737, 0.2994, 0.2768 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 42.7737, 0.2994, 0.2768 by changing the saturation by 10% instead.

■ 42.7737, 0.2994,
0.2768

■ 42.7737, 0.2994,
0.2768

■ 357.6803, 0.3064,
0.3023

■ 29.7076, 0.2975,
0.2706

■ 79.3693, 0.3020,
0.2859

■ 19.6168, 0.2951,
0.2628

■ 103.6675, 0.3030,
0.2894

■ 12.1168, 0.2917,
0.2526

■ 132.4786, 0.3038,
0.2923

■ 6.8233, 0.2869,
0.2388

■ 166.1869, 0.3045,
0.2949

■ 3.3518, 0.2793,
0.2191

■ 205.1768, 0.3051,
0.2971

■ 1.3180, 0.2663,
0.1889

■ 249.8328, 0.3056,

■ 0.1551, 0.2482,

0.2991

0.0697

300.5391, 0.3061,
0.3008

0.0000, 0.0000,
0.0000

42.7737, 0.2994,
0.2768

42.7737, 0.2994,
0.2768

34.7063, 0.2911,
0.2487

52.1374, 0.3065,
0.3036

27.8697, 0.2818,
0.2199

62.8478, 0.3126,
0.3285

22.2010, 0.2714,
0.1914

74.9593, 0.3177,
0.3514

17.6293, 0.2603,
0.1646

88.5217, 0.3219,
0.3723

14.0758, 0.2488,
0.1407

93.6461, 0.3271,
0.3771

■ 11.4506, 0.2374,
0.1210

■ 95.1916, 0.3329,
0.3762

■ 9.6474, 0.2265,
0.1065

■ 96.8136, 0.3387,
0.3753

■ 8.4876, 0.2165,
0.0967

■ 97.3339, 0.3406,
0.3751

Harmonies

Analogous

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



42.7737, 0.2688, 0.2712



42.7737, 0.2994, 0.2768



42.7737, 0.3354, 0.2944

Triad

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



42.7737, 0.2994, 0.2768



42.7737, 0.3783, 0.3755



42.7737, 0.2611, 0.3347

Complementary

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



42.7737, 0.2994, 0.2768



58.0444, 0.3238, 0.3821

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.



42.7737, 0.2882, 0.3677



42.7737, 0.2994, 0.2768



42.7737, 0.3561, 0.3909

Square

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



42.7737, 0.2994, 0.2768



42.7737, 0.3824, 0.3494



42.7737, 0.3229, 0.3889



42.7737, 0.2477, 0.3022

Rectangle

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



42.7737, 0.2994, 0.2768



42.7737, 0.3573, 0.3111



42.7737, 0.3229, 0.3889



42.7737, 0.2688, 0.3462

Sweetspot

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



42.7755, 0.2994, 0.2768



89.4054, 0.3092, 0.3141



47.0197, 0.2808, 0.2981



18.9000, 0.3088, 0.3124



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.



42.7755, 0.2994, 0.2768



62.3500, 0.2962, 0.2654



45.0941, 0.3174, 0.2824



11.7472, 0.3071, 0.3056



5.3481, 0.2179, 0.0974



0.3453, 0.2364, 0.1076

Inverse Universe

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



44.1345, 0.3360, 0.3071



64.9186, 0.3419, 0.3024



56.0723, 0.3082, 0.3805



11.8909, 0.3225, 0.3191



8.8241, 0.5250, 0.2666



0.5091, 0.4785, 0.2409

Previews

White Background



This preview shows how the Yxy color 42.7737, 0.2994, 0.2768 looks on a white background.

Color Contrast Check

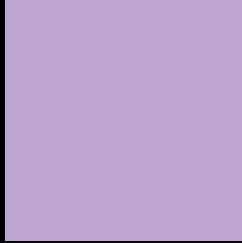
Large Text (above 18pt) WCAG AA × Fail

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 42.7737, 0.2994, 0.2768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

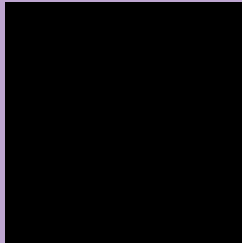
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7737, 0.2994, 0.2768

Background



This preview shows how black text looks on a background with the Yxy color 42.7737, 0.2994, 0.2768.



This preview shows how white text looks on a background with the Yxy color 42.7737, 0.2994, 0.2768.

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

42.7737, 0.2994, 0.2768

Protanopia

42.7982, 0.2764, 0.2771

Deuteranopia

42.8609, 0.2885, 0.2827



Tritanopia

42.6492, 0.3154, 0.3108

Trichromacy



Original Color

42.7737, 0.2994, 0.2768

Protanomaly

42.5666, 0.2847, 0.2766

Deuteranomaly

42.7047, 0.2925, 0.2807

Tritanomaly

42.7910, 0.3088, 0.2982

Monochromacy



Original Color

42.7737, 0.2994, 0.2768

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.8913, 0.3075, 0.3095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7737, 0.2994, 0.2768 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(190, 166, 208)` looks like.

```
.text, #text, p{  
    color:rgb(190, 166, 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(190, 166, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 166, 208) }
```

Border

The CSS property to change the border of an element to Yxy 42.7737, 0.2994, 0.2768 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(190, 166, 208) }
```

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

```
.border{ border-color:rgb(190, 166, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 166, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 166, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 166, 208);  
box-shadow:4px 4px 4px 4px rgb(190, 166,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7737, 0.2994, 0.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 166, 208) }
```

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

```
.background{ background-color: rgb(190,  
166, 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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