

Converting Colors

$Y_{xy}(42.7143, 0.2962, 0.2927)$

Have a look what the booklet for
Yxy(42.7143, 0.2962, 0.2927)
contains.

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Color

Yxy(42.7143, 0.2962, 0.2927)

Conversions

Conversions Part 1

Format	Color
Hex	B2ABC7
RGB	178, 171, 199
RGB Percent	70%, 67%, 78%
CMY	0.3021, 0.3293, 0.2196
CMYK	0.11, 0.14, 0.00, 0.22
HSL	255°, 20%, 73%
HSV	255°, 14%, 78%
XYZ	43.2251, 42.7143, 59.9927
YIQ	176.2850, -4.8160, 10.1920

Conversions

Conversions Part 2

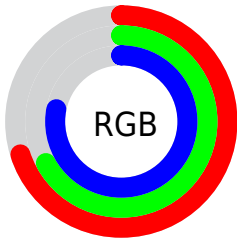
Format	Color
R _Y B	178, 171, 199
Decimal	11709383
CIE Lab	71.36, 7.95, -13.34
CIE LCh	71, 15.530, 300.796
Yxy	42.7143, 0.2962, 0.2927
Android (android.graphics.Color)	4289899463 (0xFFB2ABC7)
YUV	176.2850, 11.1985, 1.5041
Hunter-Lab	65.3562, 3.6825, -8.6750

Details

The Yxy color $42.7143, 0.2962, 0.2927$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $54.9946, 0.3278, 0.3641$, and the grayscale version is $43.5134, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.1051, 0.2999, 0.2997$, and $19.5980, 0.2911, 0.2829$ is the 20% darker color. If you saturate the color by 10%, you get $34.0820, 0.2824, 0.2637$, and if you desaturate by 10%, it is $52.6747, 0.3083, 0.3191$.

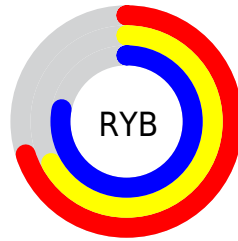
Distribution



Red (70%)

Green (67%)

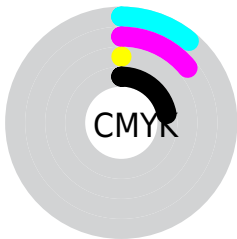
Blue (78%)



Red (70%)

Yellow (67%)

Blue (78%)

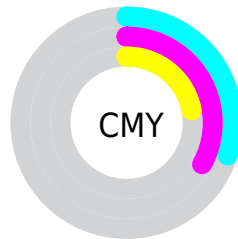


Cyan (11%)

Magenta (14%)

Yellow (0%)

Black (22%)



Cyan (30%)

Magenta (33%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7143, 0.2962, 0.2927 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 42.7143, 0.2962, 0.2927 by changing the saturation by 10% instead.

■ 42.7143, 0.2962,
0.2927

■ 42.7143, 0.2962,
0.2927

357.4355, 0.3047,
0.3107

■ 29.6610, 0.2940,
0.2882

■ 79.2796, 0.2993,
0.2992

■ 19.5814, 0.2912,
0.2825

103.5603, 0.3005,
0.3017

■ 12.0912, 0.2874,
0.2750

132.3523, 0.3015,
0.3038

■ 6.8058, 0.2820,
0.2645

166.0400, 0.3023,
0.3056

■ 3.3409, 0.2737,
0.2492

205.0078, 0.3030,
0.3071

■ 1.3122, 0.2595,
0.2245

249.6401, 0.3036,

■ 0.1506, 0.2120,

0.3085

0.0947

300.3212, 0.3042,
0.3097

0.0000, 0.0000,
0.0000

42.7143, 0.2962,
0.2927

42.7143, 0.2962,
0.2927

34.0820, 0.2824,
0.2637

52.6747, 0.3083,
0.3191

26.7158, 0.2669,
0.2324

64.0110, 0.3187,
0.3427

20.5569, 0.2499,
0.1998

76.7752, 0.3276,
0.3636

15.5395, 0.2320,
0.1671

91.0148, 0.3352,
0.3820

11.5915, 0.2140,
0.1362

96.4763, 0.3445,
0.3843

■ 8.6322, 0.1969,
0.1092

■ 96.9031, 0.3460,
0.3840

■ 6.5691, 0.1818,
0.0879

■ 5.2915, 0.1697,
0.0736

■ 4.7874, 0.1640,
0.0677

Harmonies

Analogous

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



42.7143, 0.2789, 0.2929



42.7143, 0.2962, 0.2927



42.7143, 0.3185, 0.3013

Triad

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



42.7143, 0.2962, 0.2927



42.7143, 0.3566, 0.3534



42.7143, 0.2858, 0.3412

Complementary

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



42.7143, 0.2962, 0.2927



54.9946, 0.3278, 0.3641

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.



42.7143, 0.3058, 0.3592



42.7143, 0.2962, 0.2927



42.7143, 0.3470, 0.3657

Square

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



42.7143, 0.2962, 0.2927



42.7143, 0.3540, 0.3355



42.7143, 0.3283, 0.3682



42.7143, 0.2731, 0.3202

Rectangle

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



42.7143, 0.2962, 0.2927



42.7143, 0.3332, 0.3110



42.7143, 0.3283, 0.3682



42.7143, 0.2919, 0.3478

Sweetspot

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



42.7161, 0.2962, 0.2927



92.2390, 0.3083, 0.3191



50.6856, 0.2913, 0.3205



19.4401, 0.3074, 0.3172



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.



42.7161, 0.2962, 0.2927



69.7287, 0.2920, 0.2837



44.4001, 0.3078, 0.2940



10.4127, 0.3021, 0.3054



3.1139, 0.1651, 0.0683



0.1828, 0.1875, 0.0807

Inverse Universe

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



45.0800, 0.3201, 0.3030



74.7176, 0.3221, 0.2969



53.3045, 0.3169, 0.3653



10.7698, 0.3175, 0.3118



9.2287, 0.3949, 0.1949



0.4480, 0.3764, 0.1847

Previews

White Background



This preview shows how the Yxy color 42.7143, 0.2962, 0.2927 looks on a white background.

Color Contrast Check

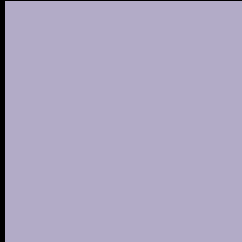
Large Text (above 18pt) WCAG AA × Fail

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 42.7143, 0.2962, 0.2927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

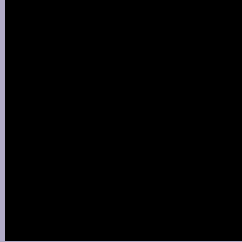
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7143, 0.2962, 0.2927

Background



This preview shows how black text looks on a background with the Yxy color 42.7143, 0.2962, 0.2927.



This preview shows how white text looks on a background with the Yxy color 42.7143, 0.2962, 0.2927.

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

42.7143, 0.2962, 0.2927

Protanopia

42.6502, 0.2881, 0.2921

Deuteranopia

42.5763, 0.2979, 0.2915



Tritanopia

42.7051, 0.3040, 0.3104

Trichromacy



Original Color

42.7143, 0.2962, 0.2927

Protanomaly

42.5594, 0.2913, 0.2923

Deuteranomaly

42.4567, 0.2971, 0.2914

Tritanomaly

42.6137, 0.3017, 0.3040

Monochromacy



Original Color

42.7143, 0.2962, 0.2927

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.0799, 0.3072, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7143, 0.2962, 0.2927 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(178, 171, 199)` looks like.

```
.text, #text, p{  
    color:rgb(178, 171, 199)  
}
```

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(178, 171, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 171, 199) }
```

Border

The CSS property to change the border of an element to Yxy 42.7143, 0.2962, 0.2927 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(178, 171, 199) }
```

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

```
.border{ border-color:rgb(178, 171, 199) }
```

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

Here you see how a box with a 4 pixel rgb(178, 171, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 171, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 171, 199);  
box-shadow:4px 4px 4px 4px rgb(178, 171,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7143, 0.2962, 0.2927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 171, 199) }
```

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

```
.background{ background-color: rgb(178,  
171, 199) }
```

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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