

Converting Colors

$Y_{xy}(42.9925, 0.3072, 0.3177)$

Have a look what the booklet for
Yxy(42.9925, 0.3072, 0.3177)
contains.

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Color

Yxy(42.9211, 0.3071, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	B0AEB7
RGB	176, 174, 183
RGB Percent	69%, 68%, 72%
CMY	0.3100, 0.3176, 0.2823
CMYK	0.04, 0.05, 0.00, 0.28
HSL	253°, 6%, 70%
HSV	253°, 5%, 72%
XYZ	41.5807, 42.9211, 50.8960
YIQ	175.6240, -1.6970, 3.2230

Conversions

Conversions Part 2

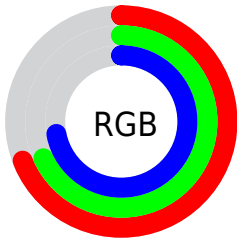
Format	Color
RYB	176, 174, 183
Decimal	11579063
CIELab	71.50, 2.41, -4.35
CIELCh	72, 4.972, 298.927
Yxy	42.9211, 0.3071, 0.3170
Android (android.graphics.Color)	4289769143 (0xFFB0AEB7)
YUV	175.6240, 3.6364, 0.3298
Hunter-Lab	65.5142, -1.3592, -0.2007

Details

The Yxy color **42.9211, 0.3071, 0.3170** is a light color, and the websafe version is hex **999999**. A complement of this color would be **46.7586, 0.3182, 0.3408**, and the grayscale version is **43.1897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4264, 0.3084, 0.3187**, and **19.8159, 0.3062, 0.3143** is the 20% darker color. If you saturate the color by 10%, you get **34.7409, 0.2944, 0.2905**, and if you desaturate by 10%, it is **52.2454, 0.3181, 0.3407**.

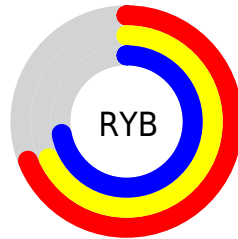
Distribution



Red (69%)

Green (68%)

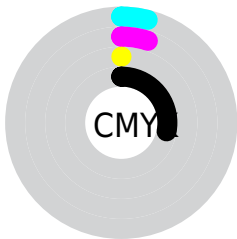
Blue (72%)



Red (69%)

Yellow (68%)

Blue (72%)

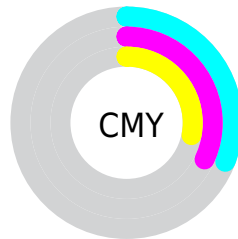


Cyan (4%)

Magenta (5%)

Yellow (0%)

Black (28%)



Cyan (31%)

Magenta (32%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.9211, 0.3071, 0.3170 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 42.9211, 0.3071, 0.3170 by changing the saturation by 10% instead.

■ 42.9211, 0.3071,
0.3170

■ 42.9211, 0.3071,
0.3170

358.2872, 0.3100,
0.3231

■ 29.8232, 0.3064,
0.3155

■ 79.5918, 0.3082,
0.3192

■ 19.7044, 0.3054,
0.3135

103.9334, 0.3085,
0.3200

■ 12.1804, 0.3041,
0.3108

132.7916, 0.3089,
0.3207

■ 6.8666, 0.3023,
0.3071

166.5510, 0.3092,
0.3213

■ 3.3788, 0.2995,
0.3014

205.5959, 0.3094,
0.3219

■ 1.3326, 0.2946,
0.2918

250.3106, 0.3096,

■ 0.1662, 0.2496,

0.3223

0.1915

301.0795, 0.3098,
0.3227

0.0000, 0.0000,
0.0000

42.9211, 0.3071,
0.3170

42.9211, 0.3071,
0.3170

34.7409, 0.2944,
0.2905

52.2454, 0.3181,
0.3407

27.6550, 0.2799,
0.2612

62.7499, 0.3276,
0.3617

21.6182, 0.2637,
0.2297

74.4761, 0.3356,
0.3801

16.5800, 0.2461,
0.1969

87.4617, 0.3425,
0.3962

12.4857, 0.2277,
0.1640

94.8456, 0.3506,
0.4010

■ 9.2753, 0.2094,
0.1331

■ 96.1992, 0.3555,
0.3998

■ 6.8815, 0.1922,
0.1062

■ 5.2274, 0.1774,
0.0852

■ 4.2202, 0.1659,
0.0714

Harmonies

Analogous

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



42.9211, 0.3015, 0.3175



42.9211, 0.3071, 0.3170



42.9211, 0.3142, 0.3197

Triad

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



42.9211, 0.3071, 0.3170



42.9211, 0.3267, 0.3368



42.9211, 0.3044, 0.3333

Complementary

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



42.9211, 0.3071, 0.3170



46.7586, 0.3182, 0.3408

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.



42.9211, 0.3111, 0.3387



42.9211, 0.3071, 0.3170



42.9211, 0.3240, 0.3406

Square

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



42.9211, 0.3071, 0.3170



42.9211, 0.3256, 0.3310



42.9211, 0.3183, 0.3413



42.9211, 0.3000, 0.3268

Rectangle

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



42.9211, 0.3071, 0.3170



42.9211, 0.3189, 0.3228



42.9211, 0.3183, 0.3413



42.9211, 0.3065, 0.3353

Sweetspot

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



42.9229, 0.3071, 0.3170



83.1247, 0.3116, 0.3266



45.5527, 0.3052, 0.3266



18.3788, 0.3116, 0.3267



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.9229, 0.3071, 0.3170



75.0234, 0.3057, 0.3140



43.4385, 0.3109, 0.3172



9.3400, 0.3052, 0.3129



2.7175, 0.1621, 0.0667



0.1231, 0.1882, 0.0810

Inverse Universe

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



43.6859, 0.3149, 0.3198



76.7087, 0.3154, 0.3175



46.2401, 0.3144, 0.3410



9.5663, 0.3156, 0.3167



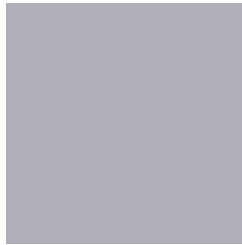
8.4284, 0.3833, 0.1885



0.3055, 0.3643, 0.1781

Previews

White Background



This preview shows how the Yxy color 42.9211, 0.3071, 0.3170 looks on a white background.

Color Contrast Check

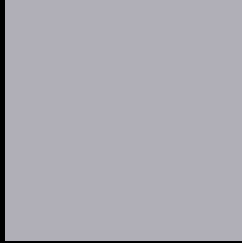
Large Text (above 18pt) WCAG AA × Fail

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 42.9211, 0.3071, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

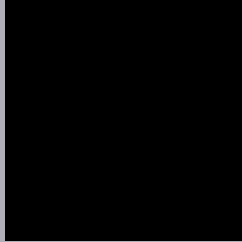
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

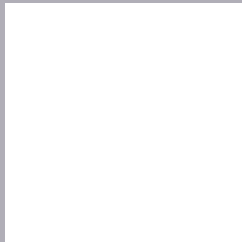
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.9211, 0.3071, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 42.9211, 0.3071, 0.3170.



This preview shows how white text looks on a background with the Yxy color 42.9211, 0.3071, 0.3170.

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

42.9211, 0.3071, 0.3170

Protanopia

42.9211, 0.3071, 0.3170

Deuteranopia

42.9015, 0.3172, 0.3109



Tritanopia

42.8221, 0.3048, 0.3105

Trichromacy



Original Color

42.9211, 0.3071, 0.3170

Protanomaly

42.9211, 0.3071, 0.3170

Deuteranomaly

42.7769, 0.3135, 0.3120

Tritanomaly

42.7794, 0.3056, 0.3118

Monochromacy



Original Color

42.9211, 0.3071, 0.3170

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.1447, 0.3103, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9211, 0.3071, 0.3170 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(176, 174, 183)` looks like.

```
.text, #text, p{  
    color:rgb(176, 174, 183)  
}
```

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(176, 174, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 174, 183) }
```

Border

The CSS property to change the border of an element to Yxy 42.9211, 0.3071, 0.3170 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(176, 174, 183) }
```

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

```
.border{ border-color:rgb(176, 174, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 174, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 174, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 174, 183);  
box-shadow:4px 4px 4px 4px rgb(176, 174,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9211, 0.3071, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 174, 183) }
```

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

```
.background{ background-color: rgb(176,  
174, 183) }
```

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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