

Converting Colors

$Y_{xy}(42.1875, 0.3134, 0.3154)$

Have a look what the booklet for
Yxy(42.1875, 0.3134, 0.3154)
contains.

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Color

Yxy(42.2858, 0.3133, 0.3158)

Conversions

Conversions Part 1

Format	Color
Hex	B5ABB5
RGB	181, 171, 181
RGB Percent	71%, 67%, 71%
CMY	0.2904, 0.3293, 0.2902
CMYK	0.00, 0.06, 0.00, 0.29
HSL	300°, 6%, 69%
HSV	300°, 6%, 71%
XYZ	41.9510, 42.2858, 49.6637
YIQ	175.1300, 2.7500, 5.2300

Conversions

Conversions Part 2

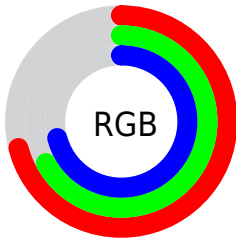
Format	Color
RYB	181, 171, 181
Decimal	11905973
CIELab	71.07, 5.40, -3.84
CIElCh	71, 6.624, 324.598
Yxy	42.2858, 0.3133, 0.3158
Android (android.graphics.Color)	4290096053 (0xFFB5ABB5)
YUV	175.1300, 2.8939, 5.1480
Hunter-Lab	65.0275, 1.3571, 0.2375

Details

The Yxy color **42.2858, 0.3133, 0.3158** is a light color, and the websafe version is hex **999999**. A complement of this color would be **44.6513, 0.3121, 0.3426**, and the grayscale version is **42.9223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5117, 0.3132, 0.3177**, and **19.3414, 0.3135, 0.3126** is the 20% darker color. If you saturate the color by 10%, you get **35.9021, 0.3144, 0.2913**, and if you desaturate by 10%, it is **49.6095, 0.3122, 0.3395**.

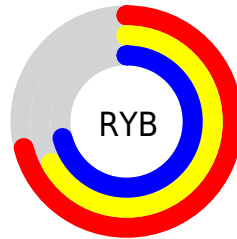
Distribution



Red (71%)

Green (67%)

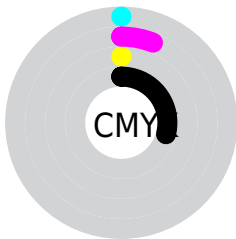
Blue (71%)



Red (71%)

Yellow (67%)

Blue (71%)

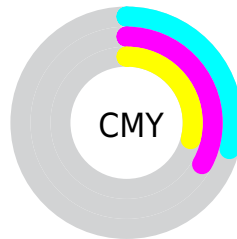


Cyan (0%)

Magenta (6%)

Yellow (0%)

Black (29%)



Cyan (29%)


Magenta (33%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2858, 0.3133, 0.3158 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 42.2858, 0.3133, 0.3158 by changing the saturation by 10% instead.


 42.2858, 0.3133,
0.3158

 42.2858, 0.3133,
0.3158

355.6663, 0.3130,
0.3225

 29.3251, 0.3134,
0.3141


 78.6320, 0.3132,
0.3182

 19.3269, 0.3134,
0.3120


102.7863, 0.3132,
0.3191

 11.9067, 0.3135,
0.3091


131.4406, 0.3131,
0.3199

 6.6802, 0.3136,
0.3050

164.9794, 0.3131,
0.3206

 3.2629, 0.3137,
0.2988

203.7869, 0.3131,
0.3211

 1.2705, 0.3138,
0.2883

248.2477, 0.3131,

 0.1182, 0.3215,

0.3216

0.1557

298.7460, 0.3131,
0.3221

0.0000, 0.0000,
0.0000

42.2858, 0.3133,
0.3158

42.2858, 0.3133,
0.3158

35.9021, 0.3144,
0.2913

49.6095, 0.3122,
0.3395

30.4150, 0.3155,
0.2666

57.9034, 0.3112,
0.3620

25.7861, 0.3165,
0.2424

67.2030, 0.3103,
0.3830

21.9720, 0.3175,
0.2197

77.5405, 0.3094,
0.4024

18.9253, 0.3183,
0.1994

84.7177, 0.3089,
0.4139

■ 16.5940, 0.3190,
0.1823

■ 84.7264, 0.3090,
0.4139

■ 14.9195, 0.3195,
0.1691

■ 84.7350, 0.3090,
0.4139

■ 13.8341, 0.3198,
0.1601

■ 84.7437, 0.3090,
0.4139

■ 13.2531, 0.3199,
0.1552

■ 84.7524, 0.3091,
0.4139

Harmonies

Analogous

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



42.2858, 0.3039, 0.3128



42.2858, 0.3133, 0.3158



42.2858, 0.3226, 0.3222

Triad

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



42.2858, 0.3133, 0.3158



42.2858, 0.3286, 0.3440



42.2858, 0.2963, 0.3273

Complementary

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



42.2858, 0.3133, 0.3158



44.6513, 0.3121, 0.3426

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.



42.2858, 0.3028, 0.3360



42.2858, 0.3133, 0.3158



42.2858, 0.3214, 0.3457

Square

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



42.2858, 0.3133, 0.3158



42.2858, 0.3316, 0.3384



42.2858, 0.3119, 0.3428



42.2858, 0.2942, 0.3193

Rectangle

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



42.2858, 0.3133, 0.3158



42.2858, 0.3276, 0.3276



42.2858, 0.3119, 0.3428



42.2858, 0.2981, 0.3302

Sweetspot

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



42.2876, 0.3133, 0.3158



80.1085, 0.3129, 0.3242



41.1922, 0.3045, 0.3157



17.3445, 0.3129, 0.3244



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.2876, 0.3133, 0.3158



73.7934, 0.3135, 0.3119



42.0979, 0.3174, 0.3222



8.9115, 0.3135, 0.3111



9.0135, 0.3200, 0.1536



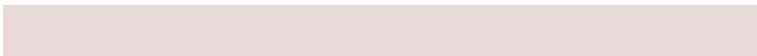
0.2841, 0.3202, 0.1538

Inverse Universe

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



41.8989, 0.3217, 0.3290



72.9040, 0.3246, 0.3290



44.8342, 0.3083, 0.3360



8.7987, 0.3252, 0.3290



6.7736, 0.6395, 0.3297



0.2133, 0.6373, 0.3284

Previews

White Background



This preview shows how the Yxy color 42.2858, 0.3133, 0.3158 looks on a white background.

Color Contrast Check

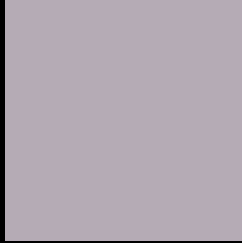
Large Text (above 18pt) WCAG AA × Fail

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 42.2858, 0.3133, 0.3158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

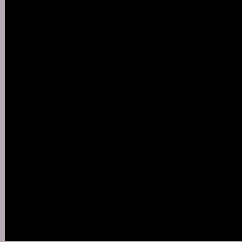
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

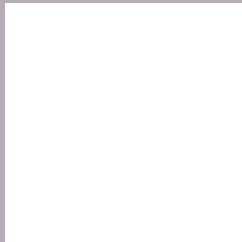
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2858, 0.3133, 0.3158

Background



This preview shows how black text looks on a background with the Yxy color 42.2858, 0.3133, 0.3158.



This preview shows how white text looks on a background with the Yxy color 42.2858, 0.3133, 0.3158.

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

42.2858, 0.3133, 0.3158

Protanopia

42.3785, 0.3071, 0.3169

Deuteranopia

42.2769, 0.3189, 0.3134



Tritanopia

42.4103, 0.3108, 0.3119

Trichromacy



Original Color

42.2858, 0.3133, 0.3158

Protanomaly

42.2296, 0.3089, 0.3157

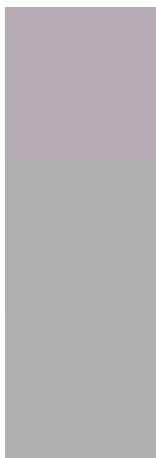
Deuteranomaly

42.3999, 0.3170, 0.3146

Tritanomaly

42.3685, 0.3117, 0.3132

Monochromacy



Original Color

42.2858, 0.3133, 0.3158

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.7935, 0.3129, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2858, 0.3133, 0.3158 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(181, 171, 181)` looks like.

```
.text, #text, p{  
    color:rgb(181, 171, 181)  
}
```

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(181, 171, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 171, 181) }
```

Border

The CSS property to change the border of an element to Yxy 42.2858, 0.3133, 0.3158 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(181, 171, 181) }
```

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

```
.border{ border-color:rgb(181, 171, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 171, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 171, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 171, 181);  
box-shadow:4px 4px 4px 4px rgb(181, 171,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2858, 0.3133, 0.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 171, 181) }
```

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

```
.background{ background-color: rgb(181,  
171, 181) }
```

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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