

Converting Colors

$Y_{xy}(42.0771, 0.3153, 0.3235)$

Have a look what the booklet for
Yxy(42.0771, 0.3153, 0.3235)
contains.

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Color

Yxy(42.1046, 0.3148, 0.3236)

Conversions

Conversions Part 1

Format	Color
Hex	B2ACB0
RGB	178, 172, 176
RGB Percent	70%, 67%, 69%
CMY	0.3017, 0.3255, 0.3098
CMYK	0.00, 0.03, 0.01, 0.30
HSL	320°, 4%, 69%
HSV	320°, 3%, 70%
XYZ	40.9596, 42.1046, 47.0489
YIQ	174.2500, 2.2920, 2.5160

Conversions

Conversions Part 2

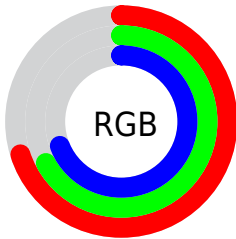
Format	Color
RYB	178, 172, 176
Decimal	11709616
CIELab	70.94, 2.91, -1.30
CIELCh	71, 3.190, 335.931
Yxy	42.1046, 0.3148, 0.3236
Android (android.graphics.Color)	4289899696 (0xFFB2ACB0)
YUV	174.2500, 0.8628, 3.2887
Hunter-Lab	64.8881, -0.8787, 2.4318

Details

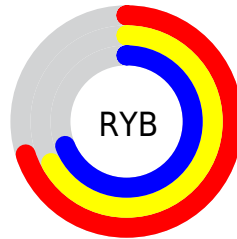
The Yxy color **42.1046, 0.3148, 0.3236** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.6897, 0.3107, 0.3345**, and the grayscale version is **42.4620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2568, 0.3143, 0.3238**, and **19.2482, 0.3143, 0.3216** is the 20% darker color. If you saturate the color by 10%, you get **35.5454, 0.3217, 0.3072**, and if you desaturate by 10%, it is **49.5860, 0.3090, 0.3391**.

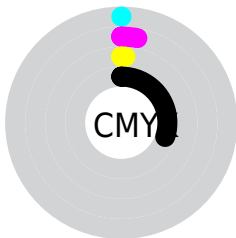
Distribution



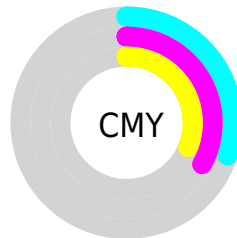
- Red (70%)
- Green (67%)
- Blue (69%)



- Red (70%)
- Yellow (67%)
- Blue (69%)



- Cyan (0%)
- Magenta (3%)
- Yellow (1%)
- Black (30%)



- Cyan (30%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1046, 0.3148, 0.3236 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 42.1046, 0.3148, 0.3236 by changing the saturation by 10% instead.

■ 42.1046, 0.3148,
0.3236

■ 42.1046, 0.3148,
0.3236

354.9164, 0.3138,
0.3263

■ 29.1832, 0.3151,
0.3229

■ 78.3579, 0.3144,
0.3246

■ 19.2195, 0.3154,
0.3220

102.4586, 0.3143,
0.3250

■ 11.8290, 0.3159,
0.3208

131.0545, 0.3142,
0.3253

■ 6.6273, 0.3165,
0.3191

164.5301, 0.3140,
0.3256

■ 3.2301, 0.3175,
0.3164

203.2696, 0.3140,
0.3258

■ 1.2530, 0.3193,
0.3118

247.6576, 0.3139,

■ 0.1044, 0.3553,

0.3260

0.2178

298.0784, 0.3138,
0.3262

0.0000, 0.0000,
0.0000

42.1046, 0.3148,
0.3236

42.1046, 0.3148,
0.3236

35.5454, 0.3217,
0.3072

49.5860, 0.3090,
0.3391

29.8670, 0.3297,
0.2902

58.0180, 0.3042,
0.3536

25.0327, 0.3391,
0.2730

67.4349, 0.3001,
0.3670

21.0014, 0.3499,
0.2563

77.8672, 0.2968,
0.3794

17.7285, 0.3621,
0.2408

85.4470, 0.2938,
0.3846

■ 15.1648, 0.3754,
0.2276

■ 85.7438, 0.2907,
0.3776

■ 13.2555, 0.3896,
0.2178

■ 86.0519, 0.2876,
0.3705

■ 11.9375, 0.4043,
0.2123

■ 86.3713, 0.2845,
0.3636

■ 11.1353, 0.4188,
0.2118

■ 86.7022, 0.2814,
0.3567

Harmonies

Analogous

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



42.1046, 0.3101, 0.3215



42.1046, 0.3148, 0.3236



42.1046, 0.3189, 0.3272

Triad

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



42.1046, 0.3148, 0.3236



42.1046, 0.3193, 0.3368



42.1046, 0.3041, 0.3267

Complementary

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



42.1046, 0.3148, 0.3236



43.6897, 0.3107, 0.3345

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.



42.1046, 0.3065, 0.3308



42.1046, 0.3148, 0.3236



42.1046, 0.3153, 0.3367

Square

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



42.1046, 0.3148, 0.3236



42.1046, 0.3215, 0.3348



42.1046, 0.3106, 0.3345



42.1046, 0.3040, 0.3232

Rectangle

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



42.1046, 0.3148, 0.3236



42.1046, 0.3208, 0.3299



42.1046, 0.3106, 0.3345



42.1046, 0.3047, 0.3280

Sweetspot

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



42.1064, 0.3148, 0.3236



79.3921, 0.3133, 0.3274



41.7160, 0.3095, 0.3208



17.6049, 0.3133, 0.3275



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.



42.1064, 0.3148, 0.3236



75.4686, 0.3152, 0.3225



41.9883, 0.3173, 0.3277



9.3002, 0.3156, 0.3216



7.7218, 0.4267, 0.2124



0.2533, 0.3905, 0.1925

Inverse Universe

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



42.1064, 0.3148, 0.3236



75.4686, 0.3152, 0.3225



43.8087, 0.3083, 0.3304



9.3002, 0.3156, 0.3216



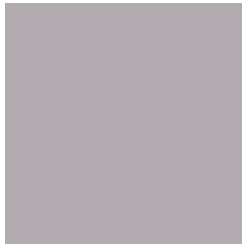
7.7218, 0.4267, 0.2124



0.2533, 0.3905, 0.1925

Previews

White Background



This preview shows how the Yxy color 42.1046, 0.3148, 0.3236 looks on a white background.

Color Contrast Check

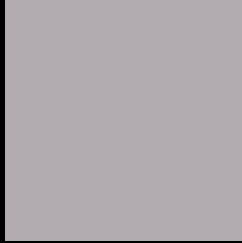
Large Text (above 18pt) WCAG AA × Fail

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 42.1046, 0.3148, 0.3236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

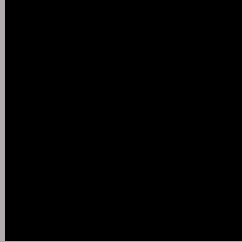
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

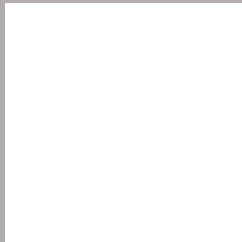
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.1046, 0.3148, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 42.1046, 0.3148, 0.3236.

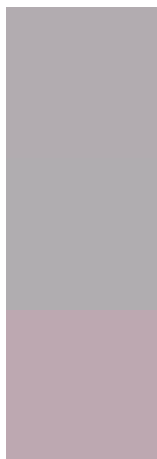


This preview shows how white text looks on a background with the Yxy color 42.1046, 0.3148, 0.3236.

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

42.1046, 0.3148, 0.3236

Protanopia

42.2518, 0.3129, 0.3250

Deuteranopia

41.9984, 0.3243, 0.3173



Tritanopia

42.1702, 0.3091, 0.3118

Trichromacy



Original Color

42.1046, 0.3148, 0.3236

Protanomaly

42.3688, 0.3138, 0.3250

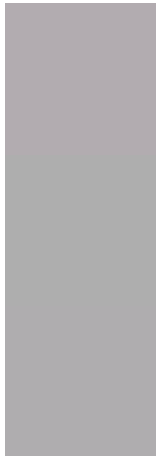
Deuteranomaly

41.8645, 0.3205, 0.3185

Tritanomaly

42.0457, 0.3116, 0.3157

Monochromacy



Original Color

42.1046, 0.3148, 0.3236

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.0962, 0.3128, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1046, 0.3148, 0.3236 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, 172, 176)` looks like.

```
.text, #text, p{  
    color:rgb(178, 172, 176)  
}
```

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, 172, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 172, 176) }
```

Border

The CSS property to change the border of an element to Yxy 42.1046, 0.3148, 0.3236 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, 172, 176) }
```

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

```
.border{ border-color:rgb(178, 172, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 172, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 172, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 172, 176);  
box-shadow:4px 4px 4px 4px rgb(178, 172,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1046, 0.3148, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 172, 176) }
```

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

```
.background{ background-color: rgb(178,  
172, 176) }
```

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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