

Converting Colors

$Y_{xy}(48.3778, 0.3126, 0.3250)$

Have a look what the booklet for
Yxy(48.3778, 0.3126, 0.3250)
contains.

Yxy(48.4336, 0.3129, 0.3252)	3
Conversions	4
Details	6
Harmonies	12
Previews	23
Color Blindness Simulation	26
CSS Examples	29

Color

Yxy(48.4336, 0.3129, 0.3252)

Conversions

Conversions Part 1

Format	Color
Hex	BBB8BB
RGB	187, 184, 187
RGB Percent	73%, 72%, 73%
CMY	0.2667, 0.2784, 0.2667
CMYK	0.00, 0.02, 0.00, 0.27
HSL	300°, 2%, 73%
HSV	300°, 2%, 73%
XYZ	46.6017, 48.4336, 53.8995
YIQ	185.2390, 0.8250, 1.5690

Conversions

Conversions Part 2

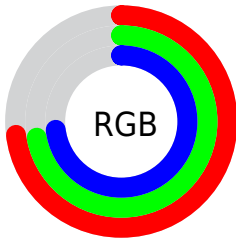
Format	Color
RYB	187, 184, 187
Decimal	12302523
CIELab	75.10, 1.61, -1.15
CIELCh	75, 1.973, 324.465
Yxy	48.4336, 0.3129, 0.3252
Android (android.graphics.Color)	4290492603 (0xFFBBB8BB)
YUV	185.2390, 0.8682, 1.5444
Hunter-Lab	69.5943, -2.2628, 2.7969

Details

The Yxy color `48.4336, 0.3129, 0.3252` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `49.1915, 0.3125, 0.3328`, and the grayscale version is `48.6508, 0.3127, 0.3290`.

A 20% lighter version of the original color is `87.8459, 0.3129, 0.3260`, and `23.0222, 0.3130, 0.3238` is the 20% darker color. If you saturate the color by 10%, you get `41.1713, 0.3141, 0.3009`, and if you desaturate by 10%, it is `56.7270, 0.3118, 0.3485`.

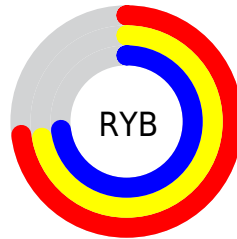
Distribution



Red (73%)

Green (72%)

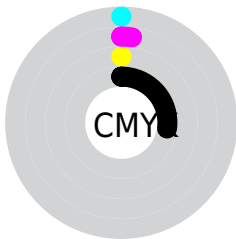
Blue (73%)



Red (73%)

Yellow (72%)

Blue (73%)

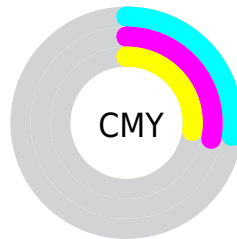


Cyan (0%)

Magenta (2%)

Yellow (0%)

Black (27%)



Cyan (27%)

Magenta (28%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4336, 0.3129, 0.3252 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 48.4336, 0.3129, 0.3252 by changing the saturation by 10% instead.

■ 48.4336, 0.3129,
0.3252

■ 48.4336, 0.3129,
0.3252

380.5082, 0.3128,
0.3271

■ 34.1704, 0.3129,
0.3247

■ 87.8496, 0.3129,
0.3259

■ 23.0245, 0.3129,
0.3241

113.7713, 0.3129,
0.3261

■ 14.6116, 0.3130,
0.3233

144.3478, 0.3128,
0.3264

■ 8.5473, 0.3130,
0.3222

179.9637, 0.3128,
0.3266

■ 4.4471, 0.3131,
0.3206

221.0033, 0.3128,
0.3267

■ 1.9267, 0.3132,
0.3179

267.8510, 0.3128,

■ 0.5643, 0.3137,

0.3269

0.3076

320.8911, 0.3128,
0.3270

0.0000, 0.0000,
0.0000

48.4336, 0.3129,
0.3252

48.4336, 0.3129,
0.3252

41.1713, 0.3141,
0.3009

56.7270, 0.3118,
0.3485

34.8938, 0.3153,
0.2762

66.0831, 0.3107,
0.3704

29.5607, 0.3165,
0.2518

76.5398, 0.3097,
0.3908

25.1263, 0.3176,
0.2285

85.6790, 0.3090,
0.4058

21.5412, 0.3187,
0.2072

85.6808, 0.3090,
0.4058

■ 18.7510, 0.3196,
0.1888

■ 85.6826, 0.3090,
0.4057

■ 16.6953, 0.3204,
0.1742

■ 85.6844, 0.3089,
0.4057

■ 15.3049, 0.3209,
0.1637

■ 85.6862, 0.3089,
0.4056

■ 14.4975, 0.3213,
0.1574

■ 85.6880, 0.3089,
0.4056

Harmonies

Analogous

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



48.4336, 0.3102, 0.3244



48.4336, 0.3129, 0.3252



48.4336, 0.3155, 0.3271

Triad

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



48.4336, 0.3129, 0.3252



48.4336, 0.3172, 0.3333



48.4336, 0.3080, 0.3286

Complementary

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



48.4336, 0.3129, 0.3252



49.1915, 0.3125, 0.3328

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.



48.4336, 0.3099, 0.3310



48.4336, 0.3129, 0.3252



48.4336, 0.3152, 0.3337

Square

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



48.4336, 0.3129, 0.3252



48.4336, 0.3181, 0.3317



48.4336, 0.3125, 0.3329



48.4336, 0.3074, 0.3263

Rectangle

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



48.4336, 0.3129, 0.3252



48.4336, 0.3169, 0.3286



48.4336, 0.3125, 0.3329



48.4336, 0.3085, 0.3294

Sweetspot

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



48.4357, 0.3129, 0.3252



89.0005, 0.3127, 0.3290



48.0629, 0.3104, 0.3252



19.5994, 0.3127, 0.3290



95.5105, 0.3127, 0.3290

Same Dimension

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



48.4357, 0.3129, 0.3252



86.1499, 0.3129, 0.3242



48.3723, 0.3141, 0.3271



10.9474, 0.3129, 0.3246



9.7390, 0.3215, 0.1545



0.3816, 0.3213, 0.1544

Inverse Universe

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



48.4357, 0.3129, 0.3252



86.1499, 0.3129, 0.3242



49.2543, 0.3114, 0.3309



10.9474, 0.3129, 0.3246



9.7390, 0.3215, 0.1545



0.3816, 0.3213, 0.1544

Previews

White Background



This preview shows how the Yxy color 48.4336, 0.3129, 0.3252 looks on a white background.

Color Contrast Check

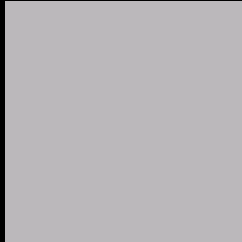
Large Text (above 18pt) WCAG AA × Fail

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 48.4336, 0.3129, 0.3252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

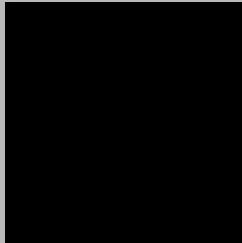
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.4336, 0.3129, 0.3252

Background



This preview shows how black text looks on a background with the Yxy color 48.4336, 0.3129, 0.3252.



This preview shows how white text looks on a background with the Yxy color 48.4336, 0.3129, 0.3252.

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

48.4336, 0.3129, 0.3252

Protanopia

48.4336, 0.3129, 0.3252

Deuteranopia

48.2885, 0.3245, 0.3180



Tritanopia

48.3059, 0.3069, 0.3102

Trichromacy



Original Color

48.4336, 0.3129, 0.3252

Protanomaly

48.4336, 0.3129, 0.3252

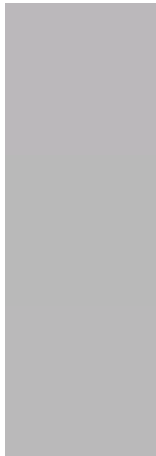
Deuteranomaly

48.4143, 0.3200, 0.3203

Tritanomaly

48.4086, 0.3091, 0.3164

Monochromacy



Original Color

48.4336, 0.3129, 0.3252

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.6822, 0.3128, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4336, 0.3129, 0.3252 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(187, 184, 187)` looks like.

```
.text, #text, p{  
    color:rgb(187, 184, 187)  
}
```

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(187, 184, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 184, 187) }
```

Border

The CSS property to change the border of an element to Yxy 48.4336, 0.3129, 0.3252 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(187, 184, 187) }
```

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

```
.border{ border-color:rgb(187, 184, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 184, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 184, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 184, 187);  
box-shadow:4px 4px 4px 4px rgb(187, 184,  
187) }
```

Background

The CSS property to change the background color of an element to Yxy 48.4336, 0.3129, 0.3252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 184, 187) }
```

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

```
.background{ background-color: rgb(187,  
184, 187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor