

Converting Colors

$Y_{xy}(49.8233, 0.3104, 0.3252)$

Have a look what the booklet for
Yxy(49.8233, 0.3104, 0.3252)
contains.

Yxy(49.8231, 0.3104, 0.3252)	3
Conversions	4
Details	6
Harmonies	12
Previews	23
Color Blindness Simulation	26
CSS Examples	29

Color

Yxy(49.8231, 0.3104, 0.3252)

Conversions

Conversions Part 1

Format	Color
Hex	BBBBBE
RGB	187, 187, 190
RGB Percent	73%, 73%, 75%
CMY	0.2667, 0.2666, 0.2549
CMYK	0.02, 0.02, 0.00, 0.25
HSL	240°, 2%, 74%
HSV	240°, 2%, 75%
XYZ	47.5556, 49.8231, 55.8288
YIQ	187.3420, -0.9630, 0.9330

Conversions

Conversions Part 2

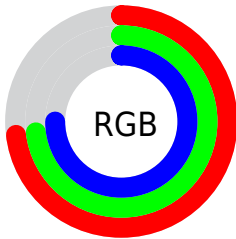
Format	Color
R _Y B	187, 187, 190
Decimal	12303294
CIE Lab	75.96, 0.56, -1.52
CIE LCh	76, 1.623, 290.103
Yxy	49.8231, 0.3104, 0.3252
Android (android.graphics.Color)	4290493374 (0xFFBBBBBE)
YUV	187.3420, 1.3104, -0.2999
Hunter-Lab	70.5855, -3.2636, 2.5150

Details

The Yxy color `49.8231, 0.3104, 0.3252` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `51.3550, 0.3150, 0.3328`, and the grayscale version is `49.8901, 0.3127, 0.3290`.

A 20% lighter version of the original color is `89.8097, 0.3109, 0.3260`, and `23.9247, 0.3096, 0.3238` is the 20% darker color. If you saturate the color by 10%, you get `40.1041, 0.2947, 0.2994`, and if you desaturate by 10%, it is `60.9136, 0.3241, 0.3477`.

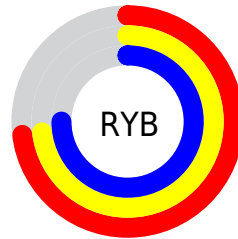
Distribution



Red (73%)

Green (73%)

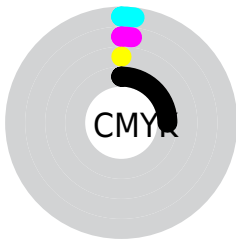
Blue (75%)



Red (73%)

Yellow (73%)

Blue (75%)

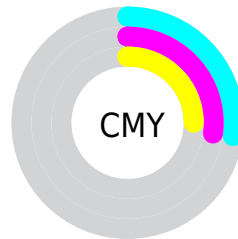


Cyan (2%)

Magenta (2%)

Yellow (0%)

Black (25%)



Cyan (27%)

Magenta (27%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8231, 0.3104, 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 49.8231, 0.3104, 0.3252 by changing the saturation by 10% instead.

■ 49.8231, 0.3104,
0.3252

■ 49.8231, 0.3104,
0.3252

385.9738, 0.3116,
0.3271

■ 35.2729, 0.3101,
0.3247

■ 89.9127, 0.3108,
0.3259

■ 23.8731, 0.3098,
0.3241

116.2209, 0.3110,
0.3261

■ 15.2395, 0.3093,
0.3234

147.2172, 0.3111,
0.3264

■ 8.9877, 0.3086,
0.3223

183.2859, 0.3112,
0.3265

■ 4.7331, 0.3076,
0.3207

224.8116, 0.3113,
0.3267

■ 2.0916, 0.3060,
0.3181

272.1785, 0.3114,

■ 0.6599, 0.3015,

0.3268

0.3104

325.7711, 0.3115,
0.3270

0.0000, 0.0000,
0.0000

49.8231, 0.3104,
0.3252

49.8231, 0.3104,
0.3252

40.1041, 0.2947,
0.2994

60.9136, 0.3241,
0.3477

31.6971, 0.2769,
0.2702

73.4192, 0.3360,
0.3672

24.5480, 0.2573,
0.2380

87.3895, 0.3462,
0.3839

18.5963, 0.2364,
0.2035

96.4980, 0.3514,
0.3929

13.7765, 0.2151,
0.1684

■ 10.0171, 0.1947,
0.1347

■ 7.2380, 0.1768,
0.1051

■ 5.3482, 0.1630,
0.0821

■ 4.2394, 0.1542,
0.0673

Harmonies

Analogous

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



49.8231, 0.3089, 0.3257



49.8231, 0.3104, 0.3252



49.8231, 0.3125, 0.3257

Triad

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



49.8231, 0.3104, 0.3252



49.8231, 0.3171, 0.3310



49.8231, 0.3107, 0.3309

Complementary

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



49.8231, 0.3104, 0.3252



51.3550, 0.3150, 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.



49.8231, 0.3129, 0.3323



49.8231, 0.3104, 0.3252



49.8231, 0.3166, 0.3324

Square

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



49.8231, 0.3104, 0.3252



49.8231, 0.3164, 0.3291



49.8231, 0.3150, 0.3329



49.8231, 0.3091, 0.3290

Rectangle

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



49.8231, 0.3104, 0.3252



49.8231, 0.3140, 0.3266



49.8231, 0.3150, 0.3329



49.8231, 0.3114, 0.3315

Sweetspot

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



49.8252, 0.3104, 0.3252



93.3107, 0.3127, 0.3290



51.1087, 0.3103, 0.3291



20.4902, 0.3127, 0.3290



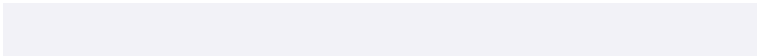
97.7402, 0.3127, 0.3290

Same Dimension

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



49.8252, 0.3104, 0.3252



89.4531, 0.3097, 0.3241



50.0004, 0.3116, 0.3252



10.8510, 0.3100, 0.3245



2.4988, 0.1502, 0.0606



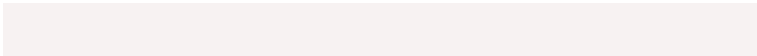
0.1020, 0.1508, 0.0629

Inverse Universe

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



50.0706, 0.3152, 0.3290



90.0197, 0.3159, 0.3290



51.1781, 0.3138, 0.3328



10.9141, 0.3157, 0.3290



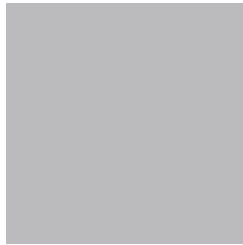
7.2819, 0.6391, 0.3294



0.2857, 0.6352, 0.3273

Previews

White Background



This preview shows how the Yxy color 49.8231, 0.3104, 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 49.8231, 0.3104, 0.3252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

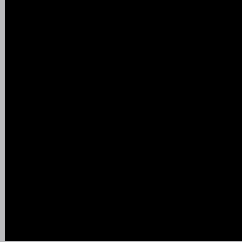
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

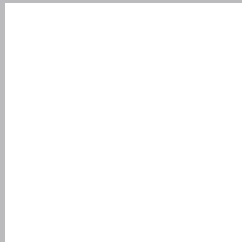
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.8231, 0.3104, 0.3252

Background



This preview shows how black text looks on a background with the Yxy color 49.8231, 0.3104, 0.3252.

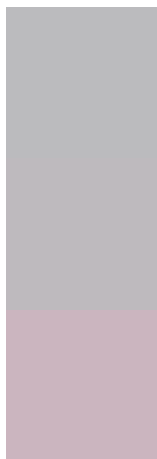


This preview shows how white text looks on a background with the Yxy color 49.8231, 0.3104, 0.3252.

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

49.8231, 0.3104, 0.3252

Protanopia

49.7827, 0.3130, 0.3240

Deuteranopia

49.5058, 0.3236, 0.3169



Tritanopia

49.6869, 0.3045, 0.3103

Trichromacy



Original Color

49.8231, 0.3104, 0.3252

Protanomaly

49.6543, 0.3121, 0.3240

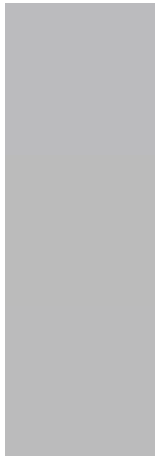
Deuteranomaly

49.4989, 0.3183, 0.3191

Tritanomaly

49.7947, 0.3067, 0.3165

Monochromacy



Original Color

49.8231, 0.3104, 0.3252

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.7363, 0.3119, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8231, 0.3104, 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, 187, 190)` looks like.

```
.text, #text, p{  
    color:rgb(187, 187, 190)  
}
```

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, 187, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 187, 190) }
```

Border

The CSS property to change the border of an element to Yxy 49.8231, 0.3104, 0.3252 is called "border". The border property can be set on classes, ids or directly on the HTML element.

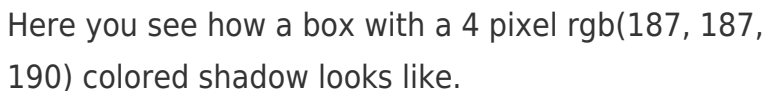
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 187, 190) }
```

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

```
.border{ border-color:rgb(187, 187, 190) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 187, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 187, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 187, 190); box-shadow:4px 4px 4px 4px rgb(187, 187, 190) }
```

Background

The CSS property to change the background color of an element to Yxy 49.8231, 0.3104, 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, 187, 190) }
```

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

```
.background{ background-color: rgb(187,  
187, 190) }
```

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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