

Converting Colors

$Y_{xy}(50.0076, 0.3101, 0.3328)$

Have a look what the booklet for
Yxy(50.0076, 0.3101, 0.3328)
contains.

Yxy(50.0076, 0.3101, 0.3328)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.0076, 0.3101, 0.3328)

Conversions

Conversions Part 1

Format	Color
Hex	B7BDBA
RGB	183, 189, 186
RGB Percent	72%, 74%, 73%
CMY	0.2822, 0.2589, 0.2705
CMYK	0.03, 0.00, 0.02, 0.26
HSL	150°, 4%, 73%
HSV	150°, 3%, 74%
XYZ	46.5966, 50.0076, 53.6590
YIQ	186.8640, -2.6130, -2.2050

Conversions

Conversions Part 2

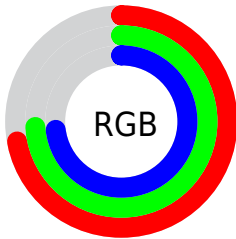
Format	Color
RYB	183, 187, 189
Decimal	12041658
CIELab	76.07, -2.62, 0.77
CIELCh	76, 2.729, 163.559
Yxy	50.0076, 0.3101, 0.3328
Android (android.graphics.Color)	4290231738 (0xFFB7BDBA)
YUV	186.8640, -0.4260, -3.3887
Hunter-Lab	70.7161, -6.1349, 4.5123

Details

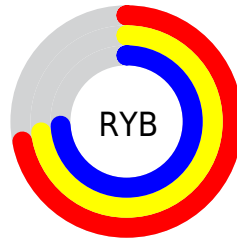
The Yxy color $50.0076, 0.3101, 0.3328$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $48.2462, 0.3154, 0.3252$, and the grayscale version is $49.6214, 0.3127, 0.3290$.

A 20% lighter version of the original color is $90.0663, 0.3106, 0.3320$, and $24.0476, 0.3092, 0.3342$ is the 20% darker color. If you saturate the color by 10%, you get $47.4564, 0.3019, 0.3458$, and if you desaturate by 10%, it is $52.9009, 0.3184, 0.3212$.

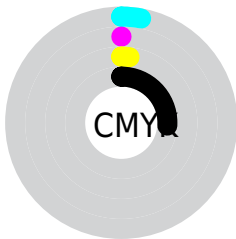
Distribution



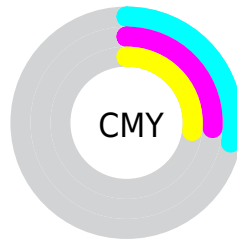
- Red (72%)
- Green (74%)
- Blue (73%)



- Red (72%)
- Yellow (73%)
- Blue (74%)



- Cyan (3%)
- Magenta (0%)
- Yellow (2%)
- Black (26%)



- Cyan (28%)
- Magenta (26%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0076, 0.3101, 0.3328 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 50.0076, 0.3101, 0.3328 by changing the saturation by 10% instead.

■ 50.0076, 0.3101,
0.3328

■ 50.0076, 0.3101,
0.3328

386.6957, 0.3114,
0.3309

■ 35.4194, 0.3098,
0.3333

■ 90.1861, 0.3106,
0.3321

■ 23.9862, 0.3094,
0.3339

116.5453, 0.3107,
0.3319

■ 15.3233, 0.3088,
0.3346

147.5969, 0.3109,
0.3317

■ 9.0466, 0.3081,
0.3357

183.7254, 0.3110,
0.3315

■ 4.7716, 0.3070,
0.3373

225.3151, 0.3111,
0.3313

■ 2.1139, 0.3051,
0.3400

272.7505, 0.3112,

■ 0.6724, 0.2987,

0.3312

0.3492

326.4158, 0.3113,
0.3310

0.0000, 0.0000,
0.0000

50.0076, 0.3101,
0.3328

50.0076, 0.3101,
0.3328

47.4564, 0.3019,
0.3458

52.9009, 0.3184,
0.3212

45.2280, 0.2940,
0.3603

56.1419, 0.3266,
0.3110

43.3109, 0.2866,
0.3762

59.7443, 0.3347,
0.3019

41.6905, 0.2801,
0.3935

63.0232, 0.3395,
0.2937

40.3508, 0.2747,
0.4118

63.5496, 0.3321,
0.2845

■ 39.2746, 0.2709,
0.4310

■ 64.1049, 0.3249,
0.2756

■ 38.4424, 0.2688,
0.4506

■ 64.6896, 0.3178,
0.2669

■ 37.8319, 0.2686,
0.4700

■ 64.8720, 0.3157,
0.2643

■ 37.4165, 0.2705,
0.4887

Harmonies

Analogous

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



50.0076, 0.3138, 0.3349



50.0076, 0.3101, 0.3328



50.0076, 0.3071, 0.3296

Triad

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



50.0076, 0.3101, 0.3328



50.0076, 0.3081, 0.3226



50.0076, 0.3199, 0.3316

Complementary

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



50.0076, 0.3101, 0.3328



48.2462, 0.3154, 0.3252

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.



50.0076, 0.3184, 0.3284



50.0076, 0.3101, 0.3328



50.0076, 0.3116, 0.3232

Square

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



50.0076, 0.3101, 0.3328



50.0076, 0.3060, 0.3238



50.0076, 0.3153, 0.3253



50.0076, 0.3195, 0.3342

Rectangle

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



50.0076, 0.3101, 0.3328



50.0076, 0.3059, 0.3274



50.0076, 0.3153, 0.3253



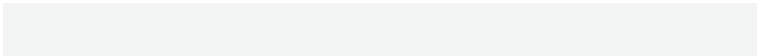
50.0076, 0.3196, 0.3306

Sweetspot

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



50.0097, 0.3101, 0.3328



90.6294, 0.3119, 0.3302



50.2535, 0.3148, 0.3366



19.4951, 0.3119, 0.3301



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



50.0097, 0.3101, 0.3328



89.1330, 0.3093, 0.3339



50.1377, 0.3079, 0.3290



10.9956, 0.3088, 0.3347



25.0534, 0.2719, 0.4987



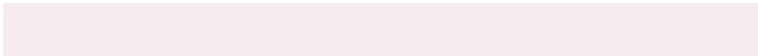
0.9946, 0.2596, 0.4546

Inverse Universe

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



48.2462, 0.3154, 0.3252



85.0833, 0.3162, 0.3241



48.1209, 0.3178, 0.3290



10.4213, 0.3168, 0.3234



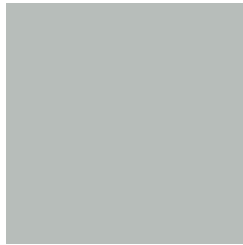
7.8442, 0.4935, 0.2492



0.3205, 0.4414, 0.2206

Previews

White Background



This preview shows how the Yxy color 50.0076, 0.3101, 0.3328 looks on a white background.

Color Contrast Check

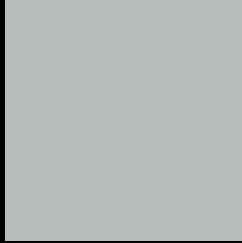
Large Text (above 18pt) WCAG AA × Fail

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 50.0076, 0.3101, 0.3328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

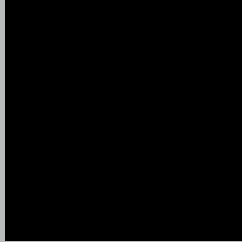
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

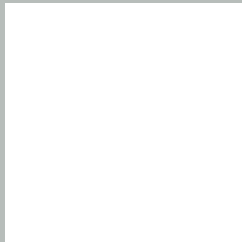
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.0076, 0.3101, 0.3328

Background



This preview shows how black text looks on a background with the Yxy color 50.0076, 0.3101, 0.3328.



This preview shows how white text looks on a background with the Yxy color 50.0076, 0.3101, 0.3328.

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

50.0076, 0.3101, 0.3328

Protanopia

50.1198, 0.3176, 0.3315

Deuteranopia

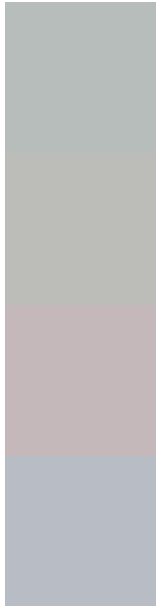
49.6577, 0.3278, 0.3205



Tritanopia

50.0720, 0.3006, 0.3115

Trichromacy



Original Color

50.0076, 0.3101, 0.3328

Protanomaly

50.1606, 0.3150, 0.3328

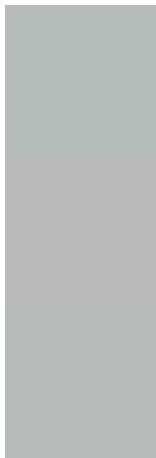
Deuteranomaly

49.7392, 0.3214, 0.3253

Tritanomaly

50.1423, 0.3034, 0.3189

Monochromacy



Original Color

50.0076, 0.3101, 0.3328

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.9934, 0.3118, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0076, 0.3101, 0.3328 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(183, 189, 186)` looks like.

```
.text, #text, p{  
    color:rgb(183, 189, 186)  
}
```

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(183, 189, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 189, 186) }
```

Border

The CSS property to change the border of an element to Yxy 50.0076, 0.3101, 0.3328 is called "border". The border property can be set on classes, ids or directly on the HTML element.

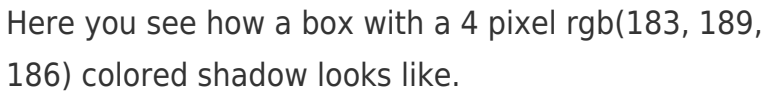
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 189, 186) }
```

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

```
.border{ border-color:rgb(183, 189, 186) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 189, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 189, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 189, 186); box-shadow:4px 4px 4px 4px rgb(183, 189, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0076, 0.3101, 0.3328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 189, 186) }
```

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

```
.background{ background-color: rgb(183,  
189, 186) }
```

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