

Converting Colors

$Yxy(49.2631, 0.3005, 0.3257)$

Have a look what the booklet for
Yxy(49.2631, 0.3005, 0.3257)
contains.

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Color

Yxy(49.3869, 0.3007, 0.3264)

Conversions

Conversions Part 1

Format	Color
Hex	B0BDBF
RGB	176, 189, 191
RGB Percent	69%, 74%, 75%
CMY	0.3100, 0.2588, 0.2510
CMYK	0.08, 0.01, 0.00, 0.25
HSL	188°, 11%, 72%
HSV	188°, 8%, 75%
XYZ	45.4983, 49.3869, 56.4227
YIQ	185.3410, -8.3900, -2.1340

Conversions

Conversions Part 2

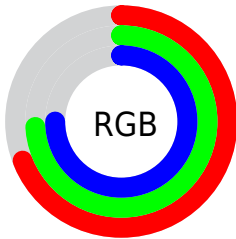
Format	Color
R _Y B	176, 183, 191
Decimal	11582911
CIE Lab	75.69, -4.09, -2.55
CIE LCh	76, 4.823, 211.981
Yxy	49.3869, 0.3007, 0.3264
Android (android.graphics.Color)	4289772991 (0xFFB0BDBF)
YUV	185.3410, 2.7899, -8.1921
Hunter-Lab	70.2758, -7.4174, 1.5906

Details

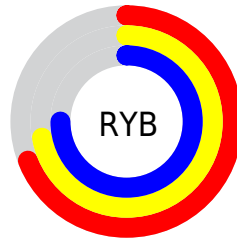
The Yxy color $49.3869, 0.3007, 0.3264$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $46.0251, 0.3258, 0.3316$, and the grayscale version is $48.7005, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.1760, 0.3033, 0.3270$, and $23.6543, 0.2966, 0.3254$ is the 20% darker color. If you saturate the color by 10%, you get $46.2446, 0.2858, 0.3228$, and if you desaturate by 10%, it is $52.8654, 0.3160, 0.3297$.

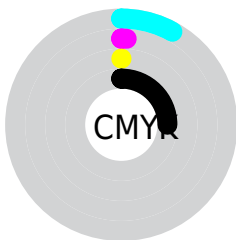
Distribution



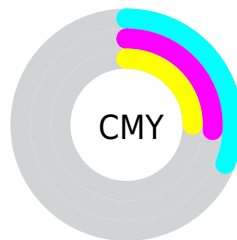
- Red (69%)
- Green (74%)
- Blue (75%)



- Red (69%)
- Yellow (72%)
- Blue (75%)



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)



- Cyan (31%)
- Magenta (26%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3869, 0.3007, 0.3264 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 49.3869, 0.3007, 0.3264 by changing the saturation by 10% instead.

■ 49.3869, 0.3007,
0.3264

■ 49.3869, 0.3007,
0.3264

■ 384.2635, 0.3066,
0.3277

■ 34.9265, 0.2992,
0.3261

■ 89.2658, 0.3028,
0.3269

■ 23.6063, 0.2974,
0.3256

■ 115.4531, 0.3037,
0.3271

■ 15.0418, 0.2949,
0.3251

■ 146.3182, 0.3043,
0.3272

■ 8.8487, 0.2915,
0.3242

■ 182.2454, 0.3049,
0.3273

■ 4.6426, 0.2865,
0.3230

■ 223.6191, 0.3054,
0.3275

■ 2.0392, 0.2784,
0.3209

■ 270.8238, 0.3059,

■ 0.6301, 0.2503,

0.3276

0.3160

324.2438, 0.3063,
0.3276

0.0000, 0.0000,
0.0000

49.3869, 0.3007,
0.3264

49.3869, 0.3007,
0.3264

46.2446, 0.2858,
0.3228

52.8654, 0.3160,
0.3297

43.4191, 0.2717,
0.3190

56.6861, 0.3314,
0.3326

40.8985, 0.2585,
0.3149

60.8628, 0.3468,
0.3353

38.6676, 0.2467,
0.3105

65.4067, 0.3619,
0.3376

36.7101, 0.2364,
0.3060

67.0725, 0.3634,
0.3401

■ 35.0075, 0.2279,
0.3015

■ 68.2596, 0.3628,
0.3427

■ 33.5393, 0.2213,
0.2968

■ 69.4660, 0.3622,
0.3453

■ 32.2814, 0.2166,
0.2922

■ 70.6917, 0.3616,
0.3478

■ 31.1973, 0.2136,
0.2877

■ 71.9370, 0.3609,
0.3504

Harmonies

Analogous

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



49.3869, 0.3045, 0.3324



49.3869, 0.3007, 0.3264



49.3869, 0.3001, 0.3212

Triad

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



49.3869, 0.3007, 0.3264



49.3869, 0.3148, 0.3207



49.3869, 0.3227, 0.3400

Complementary

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



49.3869, 0.3007, 0.3264



46.0251, 0.3258, 0.3316

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.



49.3869, 0.3255, 0.3367



49.3869, 0.3007, 0.3264



49.3869, 0.3210, 0.3256

Square

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



49.3869, 0.3007, 0.3264



49.3869, 0.3082, 0.3180



49.3869, 0.3249, 0.3314



49.3869, 0.3172, 0.3403

Rectangle

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



49.3869, 0.3007, 0.3264



49.3869, 0.3015, 0.3189



49.3869, 0.3249, 0.3314



49.3869, 0.3240, 0.3392

Sweetspot

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



49.3890, 0.3007, 0.3264



92.0229, 0.3096, 0.3283



49.6885, 0.3105, 0.3464



20.2214, 0.3098, 0.3284



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



49.3890, 0.3007, 0.3264



87.7120, 0.2988, 0.3260



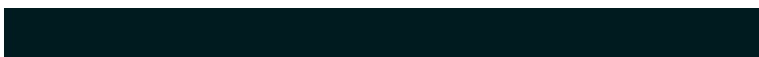
46.3290, 0.3007, 0.3169



10.5893, 0.2985, 0.3259



20.4423, 0.2132, 0.2873



0.8611, 0.2162, 0.2982

Inverse Universe

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



45.7848, 0.3152, 0.3125



80.2932, 0.3156, 0.3097



49.0041, 0.3249, 0.3409



9.6741, 0.3157, 0.3093



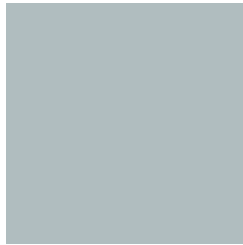
9.0934, 0.3568, 0.1739



0.3623, 0.3470, 0.1685

Previews

White Background



This preview shows how the Yxy color 49.3869, 0.3007, 0.3264 looks on a white background.

Color Contrast Check

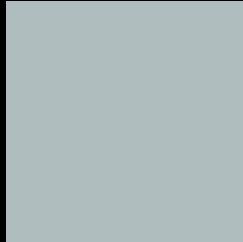
Large Text (above 18pt) WCAG AA × Fail

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 49.3869, 0.3007, 0.3264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

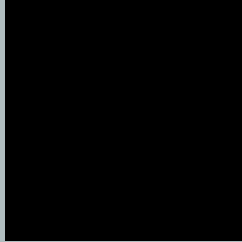
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

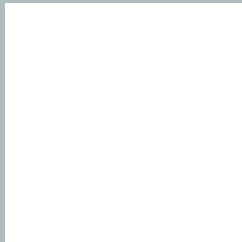
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.3869, 0.3007, 0.3264

Background



This preview shows how black text looks on a background with the Yxy color 49.3869, 0.3007, 0.3264.



This preview shows how white text looks on a background with the Yxy color 49.3869, 0.3007, 0.3264.

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

49.3869, 0.3007, 0.3264

Protanopia

49.1909, 0.3130, 0.3240

Deuteranopia

49.3155, 0.3202, 0.3144



Tritanopia

49.2699, 0.2943, 0.3099

Trichromacy



Original Color

49.3869, 0.3007, 0.3264

Protanomaly

49.0259, 0.3080, 0.3239

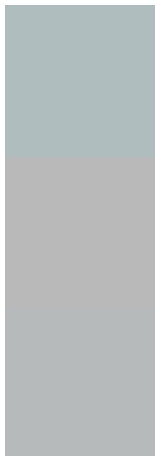
Deuteranomaly

49.2932, 0.3132, 0.3190

Tritanomaly

49.3908, 0.2964, 0.3162

Monochromacy



Original Color

49.3869, 0.3007, 0.3264

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.6508, 0.3086, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3869, 0.3007, 0.3264 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(176, 189, 191)` looks like.

```
.text, #text, p{  
    color:rgb(176, 189, 191)  
}
```

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(176, 189, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 189, 191) }
```

Border

The CSS property to change the border of an element to Yxy 49.3869, 0.3007, 0.3264 is called "border". The border property can be set on classes, ids or directly on the HTML element.

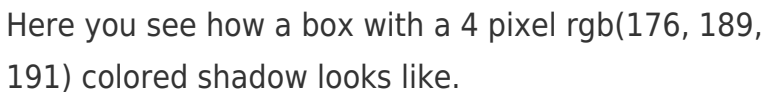
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 189, 191) }
```

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

```
.border{ border-color:rgb(176, 189, 191) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 189, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 189, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 189, 191); box-shadow:4px 4px 4px 4px rgb(176, 189, 191) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3869, 0.3007, 0.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 189, 191) }
```

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

```
.background{ background-color: rgb(176,  
189, 191) }
```

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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