

Converting Colors

Yxy(49.8872, 0.3107, 0.3308)

Have a look what the booklet for
Yxy(49.8872, 0.3107, 0.3308)
contains.

Yxy(49.7446, 0.3102, 0.3303)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.7446, 0.3102, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	B8BCBB
RGB	184, 188, 187
RGB Percent	72%, 74%, 73%
CMY	0.2784, 0.2627, 0.2667
CMYK	0.02, 0.00, 0.01, 0.26
HSL	165°, 3%, 73%
HSV	165°, 2%, 74%
XYZ	46.7175, 49.7446, 54.1422
YIQ	186.6900, -2.0630, -1.1590

Conversions

Conversions Part 2

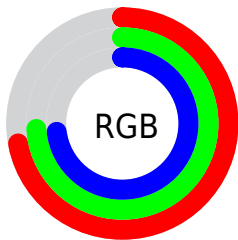
Format	Color
R_{YB}	184, 186, 188
Decimal	12106939
CIE Lab	75.91, -1.58, 0.02
CIE LCh	76, 1.580, 179.251
Yxy	49.7446, 0.3102, 0.3303
Android (android.graphics.Color)	4290297019 (0xFFB8BCBB)
YUV	186.6900, 0.1528, -2.3591
Hunter-Lab	70.5299, -5.1927, 3.8569

Details

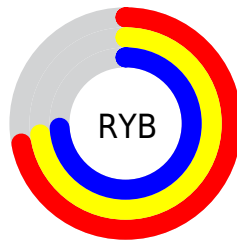
The Yxy color **49.7446, 0.3102, 0.3303** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.4755, 0.3153, 0.3277**, and the grayscale version is **49.5105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6977, 0.3107, 0.3300**, and **23.8745, 0.3093, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **47.3747, 0.2986, 0.3368**, and if you desaturate by 10%, it is **52.4342, 0.3221, 0.3245**.

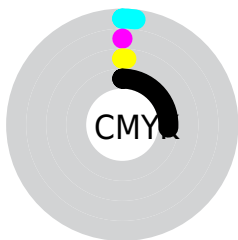
Distribution



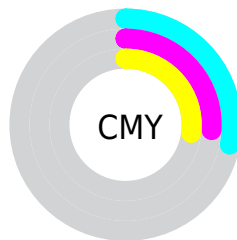
- Red (72%)
- Green (74%)
- Blue (73%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (26%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7446, 0.3102, 0.3303 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 49.7446, 0.3102, 0.3303 by changing the saturation by 10% instead.

■ 49.7446, 0.3102,
0.3303

■ 49.7446, 0.3102,
0.3303

385.6663, 0.3114,
0.3297

■ 35.2105, 0.3099,
0.3305

■ 89.7963, 0.3107,
0.3301

■ 23.8251, 0.3095,
0.3307

116.0828, 0.3108,
0.3300

■ 15.2039, 0.3090,
0.3309

147.0555, 0.3110,
0.3299

■ 8.9626, 0.3083,
0.3313

183.0988, 0.3111,
0.3299

■ 4.7168, 0.3072,
0.3318

224.5972, 0.3112,
0.3298

■ 2.0821, 0.3055,
0.3327

271.9349, 0.3113,

■ 0.6545, 0.2994,

0.3297

0.3358


325.4965, 0.3114,
0.3297

 0.0000, 0.0000,
0.0000


 49.7446, 0.3102,
0.3303


 49.7446, 0.3102,
0.3303


 47.3747, 0.2986,
0.3368

 52.4342, 0.3221,
0.3245

 45.3060, 0.2876,
0.3439


 55.4487, 0.3340,
0.3192


 43.5276, 0.2774,
0.3517

 58.8010, 0.3459,
0.3146

 42.0258, 0.2682,
0.3600

 61.6963, 0.3541,
0.3103

 40.7854, 0.2605,
0.3689

 61.9339, 0.3501,
0.3054

■ 39.7899, 0.2545,
0.3781

■ 62.1787, 0.3461,
0.3006

■ 39.0210, 0.2502,
0.3875

■ 62.4308, 0.3422,
0.2958

■ 38.4576, 0.2479,
0.3970

■ 62.6902, 0.3384,
0.2911

■ 38.0744, 0.2476,
0.4065

■ 62.9570, 0.3346,
0.2864

Harmonies

Analogous

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



49.7446, 0.3122, 0.3319



49.7446, 0.3102, 0.3303



49.7446, 0.3089, 0.3284

Triad

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



49.7446, 0.3102, 0.3303



49.7446, 0.3111, 0.3254



49.7446, 0.3169, 0.3314

Complementary

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



49.7446, 0.3102, 0.3303



48.4755, 0.3153, 0.3277

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.



49.7446, 0.3166, 0.3297



49.7446, 0.3102, 0.3303



49.7446, 0.3132, 0.3262

Square

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



49.7446, 0.3102, 0.3303



49.7446, 0.3093, 0.3255



49.7446, 0.3153, 0.3277



49.7446, 0.3161, 0.3325

Rectangle

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



49.7446, 0.3102, 0.3303



49.7446, 0.3085, 0.3271



49.7446, 0.3153, 0.3277



49.7446, 0.3170, 0.3309

Sweetspot

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



49.7467, 0.3102, 0.3303



90.6657, 0.3115, 0.3296



49.7528, 0.3134, 0.3341



19.5025, 0.3116, 0.3296



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.



49.7467, 0.3102, 0.3303



89.7333, 0.3091, 0.3309



49.3922, 0.3095, 0.3278



11.0676, 0.3083, 0.3313



25.7881, 0.2480, 0.4127



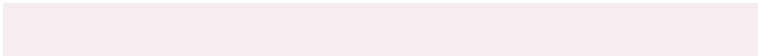
1.0202, 0.2417, 0.3902

Inverse Universe

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



48.4755, 0.3153, 0.3277



86.4610, 0.3164, 0.3271



48.8225, 0.3160, 0.3302



10.5728, 0.3173, 0.3267



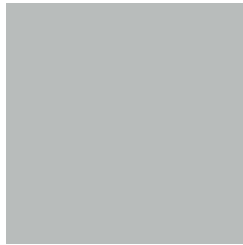
7.4354, 0.5884, 0.3015



0.3023, 0.5183, 0.2629

Previews

White Background



This preview shows how the Yxy color 49.7446, 0.3102, 0.3303 looks on a white background.

Color Contrast Check

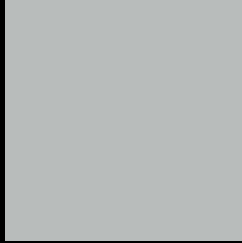
Large Text (above 18pt) WCAG AA × Fail

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 49.7446, 0.3102, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

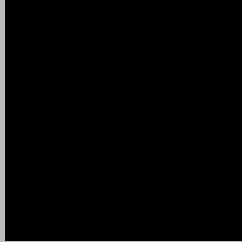
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

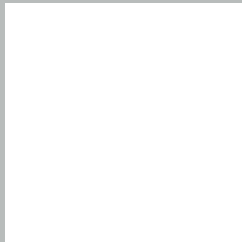
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7446, 0.3102, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 49.7446, 0.3102, 0.3303.



This preview shows how white text looks on a background with the Yxy color 49.7446, 0.3102, 0.3303.

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

49.7446, 0.3102, 0.3303

Protanopia

49.6101, 0.3161, 0.3290

Deuteranopia

49.5160, 0.3269, 0.3205



Tritanopia

49.7740, 0.3014, 0.3102

Trichromacy



Original Color

49.7446, 0.3102, 0.3303

Protanomaly

49.7772, 0.3143, 0.3303

Deuteranomaly

49.7821, 0.3206, 0.3241

Tritanomaly

49.8405, 0.3043, 0.3176

Monochromacy



Original Color

49.7446, 0.3102, 0.3303

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.5676, 0.3119, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7446, 0.3102, 0.3303 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(184, 188, 187)` looks like.

```
.text, #text, p{  
    color:rgb(184, 188, 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(184, 188, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 188, 187) }
```

Border

The CSS property to change the border of an element to Yxy 49.7446, 0.3102, 0.3303 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(184, 188, 187) }
```

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

```
.border{ border-color:rgb(184, 188, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 188, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 188, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 188, 187);  
box-shadow:4px 4px 4px 4px rgb(184, 188,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7446, 0.3102, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 188, 187) }
```

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

```
.background{ background-color: rgb(184,  
188, 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