

Converting Colors

$Yxy(48.2130, 0.3001, 0.3373)$

Have a look what the booklet for
Yxy(48.2130, 0.3001, 0.3373)
contains.

Yxy(48.1389, 0.3002, 0.3370)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.1389, 0.3002, 0.3370)

Conversions

Conversions Part 1

Format	Color
Hex	A8BDB7
RGB	168, 189, 183
RGB Percent	66%, 74%, 72%
CMY	0.3414, 0.2587, 0.2824
CMYK	0.11, 0.00, 0.03, 0.26
HSL	163°, 14%, 70%
HSV	163°, 11%, 74%
XYZ	42.8822, 48.1389, 51.8243
YIQ	182.0370, -10.5900, -6.3180

Conversions

Conversions Part 2

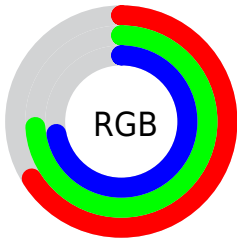
Format	Color
RYB	168, 180, 189
Decimal	11058615
CIELab	74.91, -8.38, 0.59
CIElCh	75, 8.399, 175.964
Yxy	48.1389, 0.3002, 0.3370
Android (android.graphics.Color)	4289248695 (0xFFA8BDB7)
YUV	182.0370, 0.4748, -12.3104
Hunter-Lab	69.3822, -11.0956, 4.2815

Details

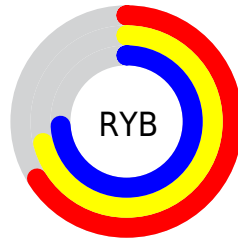
The Yxy color **48.1389, 0.3002, 0.3370** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.8589, 0.3270, 0.3211**, and the grayscale version is **46.7972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2248, 0.3023, 0.3352**, and **22.9330, 0.2970, 0.3400** is the 20% darker color. If you saturate the color by 10%, you get **45.9949, 0.2895, 0.3450**, and if you desaturate by 10%, it is **50.5971, 0.3114, 0.3298**.

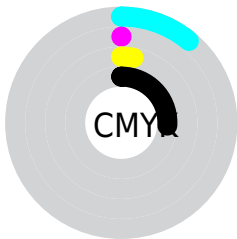
Distribution



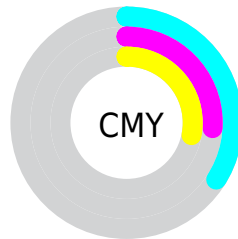
- Red (66%)
- Green (74%)
- Blue (72%)



- Red (66%)
- Yellow (71%)
- Blue (74%)



- Cyan (11%)
- Magenta (0%)
- Yellow (3%)
- Black (26%)





- Cyan (34%)
- Magenta (26%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1389, 0.3002, 0.3370 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 48.1389, 0.3002, 0.3370 by changing the saturation by 10% instead.


 48.1389, 0.3002,
0.3370

 48.1389, 0.3002,
0.3370

379.3424, 0.3064,
0.3330

 33.9369, 0.2987,
0.3380


 87.4112, 0.3025,
0.3356

 22.8451, 0.2967,
0.3393

 113.2502, 0.3033,
0.3350

 14.4792, 0.2940,
0.3410


143.7371, 0.3040,
0.3346

 8.4547, 0.2904,
0.3433

179.2562, 0.3046,
0.3342

 4.3873, 0.2849,
0.3469

220.1919, 0.3052,
0.3338

 1.8925, 0.2759,
0.3527

266.9285, 0.3057,

 0.5438, 0.2220,

0.3335

0.3865

319.8506, 0.3061,
0.3333

0.0000, 0.0000,
0.0000

48.1389, 0.3002,
0.3370

48.1389, 0.3002,
0.3370

45.9949, 0.2895,
0.3450

50.5971, 0.3114,
0.3298

44.1460, 0.2795,
0.3536

53.3758, 0.3228,
0.3233

42.5802, 0.2706,
0.3630

56.4885, 0.3343,
0.3175

41.2825, 0.2630,
0.3729

59.9462, 0.3457,
0.3124

40.2361, 0.2570,
0.3833

62.3193, 0.3507,
0.3075

■ 39.4226, 0.2528,
0.3939

■ 62.5935, 0.3463,
0.3020

■ 38.8210, 0.2506,
0.4047

■ 62.8770, 0.3419,
0.2966

■ 38.4062, 0.2503,
0.4155

■ 63.1697, 0.3376,
0.2913

■ 38.1518, 0.2514,
0.4249

■ 63.4719, 0.3333,
0.2861

Harmonies

Analogous

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



48.1389, 0.3112, 0.3455



48.1389, 0.3002, 0.3370



48.1389, 0.2926, 0.3264

Triad

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



48.1389, 0.3002, 0.3370



48.1389, 0.3025, 0.3095



48.1389, 0.3356, 0.3407

Complementary

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



48.1389, 0.3002, 0.3370



41.8589, 0.3270, 0.3211

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.



48.1389, 0.3332, 0.3311



48.1389, 0.3002, 0.3370



48.1389, 0.3139, 0.3133

Square

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



48.1389, 0.3002, 0.3370



48.1389, 0.2939, 0.3106



48.1389, 0.3252, 0.3211



48.1389, 0.3317, 0.3474

Rectangle

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



48.1389, 0.3002, 0.3370



48.1389, 0.2905, 0.3197



48.1389, 0.3252, 0.3211



48.1389, 0.3355, 0.3377

Sweetspot

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



48.1409, 0.3002, 0.3370



89.7198, 0.3093, 0.3311



48.2582, 0.3166, 0.3572



19.2149, 0.3083, 0.3317



95.5105, 0.3127, 0.3290



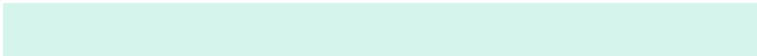
19.5994, 0.3127, 0.3290

Same Dimension

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



48.1409, 0.3002, 0.3370



85.3647, 0.2979, 0.3386



46.6094, 0.2957, 0.3233



10.7617, 0.3022, 0.3356



25.6769, 0.2510, 0.4235



1.0165, 0.2439, 0.3980

Inverse Universe

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



41.8589, 0.3270, 0.3211



72.2313, 0.3300, 0.3196



43.2104, 0.3317, 0.3346



9.5801, 0.3245, 0.3225



7.4706, 0.5782, 0.2959



0.3043, 0.5077, 0.2571

Previews

White Background



This preview shows how the Yxy color 48.1389, 0.3002, 0.3370 looks on a white background.

Color Contrast Check

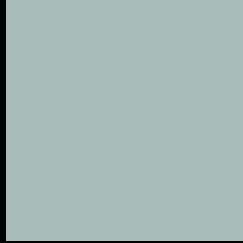
Large Text (above 18pt) WCAG AA × Fail

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 48.1389, 0.3002, 0.3370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

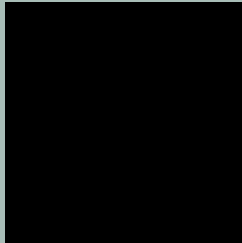
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

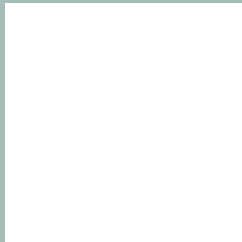
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1389, 0.3002, 0.3370

Background



This preview shows how black text looks on a background with the Yxy color 48.1389, 0.3002, 0.3370.



This preview shows how white text looks on a background with the Yxy color 48.1389, 0.3002, 0.3370.

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

48.1389, 0.3002, 0.3370

Protanopia

47.8536, 0.3194, 0.3329

Deuteranopia

47.7611, 0.3271, 0.3204



Tritanopia

47.9928, 0.2896, 0.3095

Trichromacy



Original Color

48.1389, 0.3002, 0.3370

Protanomaly

47.8579, 0.3125, 0.3342

Deuteranomaly

47.7354, 0.3171, 0.3265

Tritanomaly

47.9817, 0.2938, 0.3198

Monochromacy



Original Color

48.1389, 0.3002, 0.3370

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.4224, 0.3084, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1389, 0.3002, 0.3370 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(168, 189, 183)` looks like.

```
.text, #text, p{  
    color:rgb(168, 189, 183)  
}
```

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(168, 189, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 189, 183) }
```

Border

The CSS property to change the border of an element to Yxy 48.1389, 0.3002, 0.3370 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(168, 189, 183) }
```

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

```
.border{ border-color:rgb(168, 189, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 189, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 189, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 189, 183);  
box-shadow:4px 4px 4px 4px rgb(168, 189,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1389, 0.3002, 0.3370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 189, 183) }
```

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

```
.background{ background-color: rgb(168,  
189, 183) }
```

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