

Converting Colors

$Yxy(49.6883, 0.3093, 0.3505)$

Have a look what the booklet for
Yxy(49.6883, 0.3093, 0.3505)
contains.

Yxy(49.7181, 0.3093, 0.3501)	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(49.7181, 0.3093, 0.3501)

Conversions

Conversions Part 1

Format	Color
Hex	ADC0B0
RGB	173, 192, 176
RGB Percent	68%, 75%, 69%
CMY	0.3215, 0.2471, 0.3097
CMYK	0.10, 0.00, 0.08, 0.25
HSL	130°, 13%, 72%
HSV	130°, 10%, 75%
XYZ	43.9240, 49.7181, 48.3690
YIQ	184.4950, -6.1880, -9.0040

Conversions

Conversions Part 2

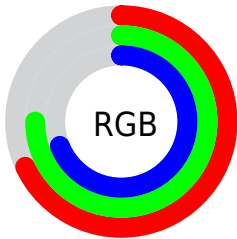
Format	Color
RYB	173, 189, 192
Decimal	11387056
CIELab	75.90, -9.54, 5.84
CIElCh	76, 11.181, 148.528
Yxy	49.7181, 0.3093, 0.3501
Android (android.graphics.Color)	4289577136 (0xFFADC0B0)
YUV	184.4950, -4.1880, -10.0811
Hunter-Lab	70.5111, -12.1999, 8.6861

Details

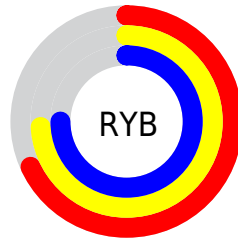
The Yxy color **49.7181, 0.3093, 0.3501** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.7729, 0.3163, 0.3088**, and the grayscale version is **48.2502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4550, 0.3094, 0.3454**, and **23.9854, 0.3082, 0.3562** is the 20% darker color. If you saturate the color by 10%, you get **47.0841, 0.3058, 0.3742**, and if you desaturate by 10%, it is **52.7470, 0.3128, 0.3288**.

Distribution



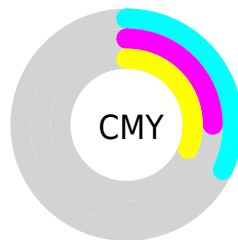
- Red (68%)
- Green (75%)
- Blue (69%)



- Red (68%)
- Yellow (74%)
- Blue (75%)



- Cyan (10%)
- Magenta (0%)
- Yellow (8%)
- Black (25%)





- Cyan (32%)
- Magenta (25%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7181, 0.3093, 0.3501 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 49.7181, 0.3093, 0.3501 by changing the saturation by 10% instead.


 49.7181, 0.3093,
0.3501

 49.7181, 0.3093,
0.3501


385.5625, 0.3111,
0.3395

 35.1895, 0.3088,
0.3528


 89.7571, 0.3100,
0.3462

 23.8089, 0.3082,
0.3562


116.0362, 0.3102,
0.3448

 15.1919, 0.3074,
0.3608


147.0009, 0.3104,
0.3436

 8.9542, 0.3062,
0.3672

183.0356, 0.3106,
0.3425

 4.7113, 0.3044,
0.3769

224.5248, 0.3107,
0.3416

 2.0789, 0.3012,
0.3931

271.8527, 0.3109,


 0.6527, 0.2886,


0.3408


0.4861


325.4038, 0.3110,
0.3401

 0.0000, 0.0000,
0.0000

 49.7181, 0.3093,
0.3501


 49.7181, 0.3093,
0.3501


 47.0841, 0.3058,
0.3742


 52.7470, 0.3128,
0.3288


 44.8227, 0.3024,
0.4011


 56.1794, 0.3161,
0.3101


 42.9187, 0.2992,
0.4303

 60.0319, 0.3192,
0.2939

 41.3539, 0.2965,
0.4611

 64.3179, 0.3222,
0.2799

 40.1079, 0.2945,
0.4924

 66.1786, 0.3156,
0.2673

■ 39.1586, 0.2934,
0.5223

■ 38.4808, 0.2935,
0.5490

■ 38.0448, 0.2946,
0.5708

■ 37.7970, 0.2963,
0.5864

Harmonies

Analogous

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



49.7181, 0.3246, 0.3557



49.7181, 0.3093, 0.3501



49.7181, 0.2952, 0.3384

Triad

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



49.7181, 0.3093, 0.3501



49.7181, 0.2888, 0.3045



49.7181, 0.3404, 0.3327

Complementary

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



49.7181, 0.3093, 0.3501



44.7729, 0.3163, 0.3088

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.



49.7181, 0.3303, 0.3197



49.7181, 0.3093, 0.3501



49.7181, 0.3004, 0.3036

Square

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



49.7181, 0.3093, 0.3501



49.7181, 0.2835, 0.3119



49.7181, 0.3156, 0.3092



49.7181, 0.3428, 0.3452

Rectangle

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



49.7181, 0.3093, 0.3501



49.7181, 0.2882, 0.3290



49.7181, 0.3156, 0.3092



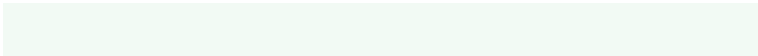
49.7181, 0.3378, 0.3283

Sweetspot

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



49.7202, 0.3093, 0.3501



93.7646, 0.3117, 0.3352



51.5544, 0.3249, 0.3532



20.0184, 0.3114, 0.3369



97.7402, 0.3127, 0.3290



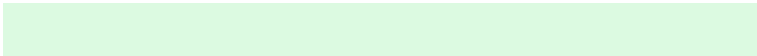
20.4902, 0.3127, 0.3290

Same Dimension

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



49.7202, 0.3093, 0.3501



88.9292, 0.3085, 0.3554



50.1023, 0.3025, 0.3377



11.2843, 0.3095, 0.3489



25.4399, 0.2958, 0.5850



1.1076, 0.2857, 0.5486

Inverse Universe

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



44.7729, 0.3163, 0.3088



78.0470, 0.3172, 0.3039



44.3808, 0.3242, 0.3205



10.2192, 0.3161, 0.3098



9.2947, 0.3650, 0.1785



0.4091, 0.3537, 0.1722

Previews

White Background



This preview shows how the Yxy color 49.7181, 0.3093, 0.3501 looks on a white background.

Color Contrast Check

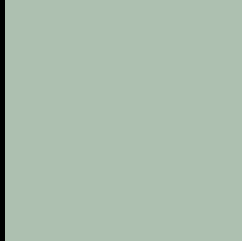
Large Text (above 18pt) WCAG AA × Fail

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 49.7181, 0.3093, 0.3501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

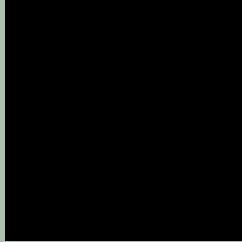
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

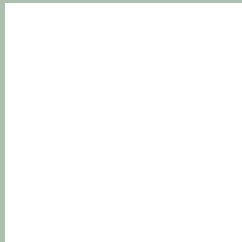
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7181, 0.3093, 0.3501

Background



This preview shows how black text looks on a background with the Yxy color 49.7181, 0.3093, 0.3501.



This preview shows how white text looks on a background with the Yxy color 49.7181, 0.3093, 0.3501.

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

49.7181, 0.3093, 0.3501

Protanopia

49.4724, 0.3289, 0.3456

Deuteranopia

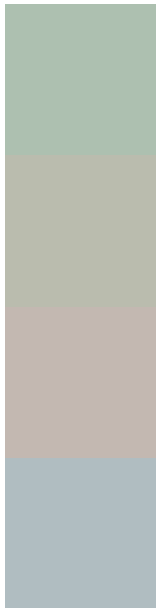
49.2668, 0.3389, 0.3315



Tritanopia

49.6253, 0.2929, 0.3099

Trichromacy



Original Color

49.7181, 0.3093, 0.3501

Protanomaly

49.4615, 0.3219, 0.3471

Deuteranomaly

49.0574, 0.3277, 0.3379

Tritanomaly

49.4756, 0.2993, 0.3238

Monochromacy



Original Color

49.7181, 0.3093, 0.3501

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.1676, 0.3115, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7181, 0.3093, 0.3501 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(173, 192, 176)` looks like.

```
.text, #text, p{  
    color:rgb(173, 192, 176)  
}
```

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(173, 192, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 192, 176) }
```

Border

The CSS property to change the border of an element to Yxy 49.7181, 0.3093, 0.3501 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(173, 192, 176) }
```

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

```
.border{ border-color:rgb(173, 192, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 192, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 192, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 192, 176);  
box-shadow:4px 4px 4px 4px rgb(173, 192,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7181, 0.3093, 0.3501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 192, 176) }
```

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

```
.background{ background-color: rgb(173,  
192, 176) }
```

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