

Converting Colors

$Y_{xy}(49.2590, 0.3084, 0.3520)$

Have a look what the booklet for
Yxy(49.2590, 0.3084, 0.3520)
contains.

Yxy(49.3013, 0.3084, 0.3530)	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(49.3013, 0.3084, 0.3530)

Conversions

Conversions Part 1

Format	Color
Hex	AAC0AE
RGB	170, 192, 174
RGB Percent	67%, 75%, 68%
CMY	0.3332, 0.2471, 0.3176
CMYK	0.11, 0.00, 0.09, 0.25
HSL	131°, 15%, 71%
HSV	131°, 11%, 75%
XYZ	43.0723, 49.3013, 47.2901
YIQ	183.3700, -7.3340, -10.2620

Conversions

Conversions Part 2

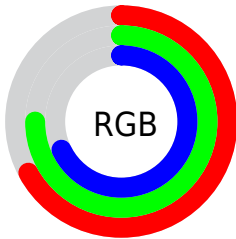
Format	Color
RYB	170, 189, 192
Decimal	11190446
CIELab	75.64, -10.94, 6.54
CIELCh	76, 12.745, 149.145
Yxy	49.3013, 0.3084, 0.3530
Android (android.graphics.Color)	4289380526 (0xFFAAC0AE)
YUV	183.3700, -4.6194, -11.7255
Hunter-Lab	70.2149, -13.3778, 9.2183

Details

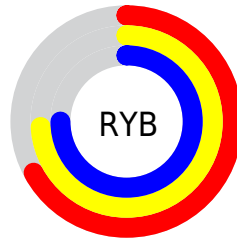
The Yxy color **49.3013, 0.3084, 0.3530** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.6000, 0.3173, 0.3061**, and the grayscale version is **47.6003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7995, 0.3093, 0.3487**, and **23.7219, 0.3069, 0.3602** is the 20% darker color. If you saturate the color by 10%, you get **46.7389, 0.3046, 0.3769**, and if you desaturate by 10%, it is **52.2522, 0.3122, 0.3318**.

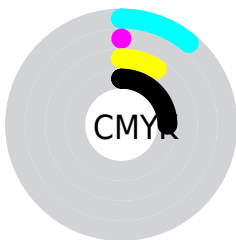
Distribution



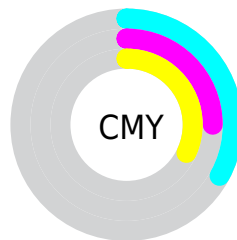
- Red (67%)
- Green (75%)
- Blue (68%)



- Red (67%)
- Yellow (74%)
- Blue (75%)



- Cyan (11%)
- Magenta (0%)
- Yellow (9%)
- Black (25%)





- Cyan (33%)
- Magenta (25%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3013, 0.3084, 0.3530 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 49.3013, 0.3084, 0.3530 by changing the saturation by 10% instead.


 49.3013, 0.3084,
0.3530

 49.3013, 0.3084,
0.3530


383.9273, 0.3106,
0.3409

 34.8585, 0.3078,
0.3560


 89.1388, 0.3092,
0.3486

 23.5539, 0.3071,
0.3600


115.3023, 0.3095,
0.3469

 15.0031, 0.3060,
0.3653


146.1416, 0.3098,
0.3455

 8.8215, 0.3045,
0.3727

182.0409, 0.3100,
0.3444

 4.6250, 0.3022,
0.3839

223.3847, 0.3102,
0.3433

 2.0289, 0.2980,
0.4029

270.5575, 0.3104,


 0.6242, 0.2781,


0.3424


0.5321


323.9435, 0.3105,
0.3416


 0.0000, 0.0000,
0.0000

 49.3013, 0.3084,
0.3530


 49.3013, 0.3084,
0.3530

 46.7389, 0.3046,
0.3769


 52.2522, 0.3122,
0.3318


 44.5429, 0.3009,
0.4034

 55.6005, 0.3158,
0.3133


 42.6982, 0.2976,
0.4321

 59.3623, 0.3193,
0.2971

 41.1864, 0.2948,
0.4624

 63.5513, 0.3226,
0.2831

 39.9874, 0.2929,
0.4929

 66.0276, 0.3173,
0.2694

■ 39.0787, 0.2920,
0.5222

■ 66.1776, 0.3156,
0.2673

■ 38.4350, 0.2923,
0.5483

■ 38.0263, 0.2937,
0.5697

■ 37.8171, 0.2954,
0.5834

Harmonies

Analogous

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



49.3013, 0.3259, 0.3596



49.3013, 0.3084, 0.3530



49.3013, 0.2924, 0.3394

Triad

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



49.3013, 0.3084, 0.3530



49.3013, 0.2856, 0.3009



49.3013, 0.3445, 0.3335

Complementary

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



49.3013, 0.3084, 0.3530



43.6000, 0.3173, 0.3061

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.



49.3013, 0.3331, 0.3187



49.3013, 0.3084, 0.3530



49.3013, 0.2990, 0.3002

Square

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



49.3013, 0.3084, 0.3530



49.3013, 0.2795, 0.3091



49.3013, 0.3163, 0.3066



49.3013, 0.3471, 0.3477

Rectangle

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



49.3013, 0.3084, 0.3530



49.3013, 0.2846, 0.3285



49.3013, 0.3163, 0.3066



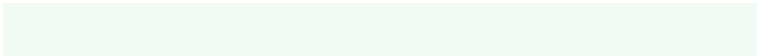
49.3013, 0.3416, 0.3284

Sweetspot

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



49.3034, 0.3084, 0.3530



93.7746, 0.3116, 0.3351



51.3352, 0.3265, 0.3571



20.0211, 0.3113, 0.3367



97.7402, 0.3127, 0.3290



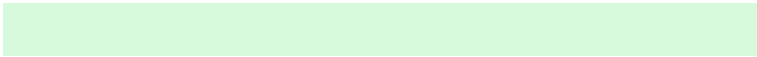
20.4902, 0.3127, 0.3290

Same Dimension

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



49.3034, 0.3084, 0.3530



87.9761, 0.3073, 0.3594



49.7364, 0.3006, 0.3386



11.2879, 0.3092, 0.3484



25.4564, 0.2949, 0.5817



1.1092, 0.2840, 0.5423

Inverse Universe

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



43.6000, 0.3173, 0.3061



75.3688, 0.3186, 0.3004



43.1564, 0.3265, 0.3196



10.2153, 0.3165, 0.3103



9.1965, 0.3720, 0.1823



0.4057, 0.3587, 0.1750

Previews

White Background



This preview shows how the Yxy color 49.3013, 0.3084, 0.3530 looks on a white background.

Color Contrast Check

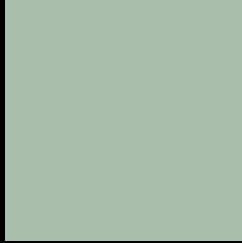
Large Text (above 18pt) WCAG AA × Fail

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 49.3013, 0.3084, 0.3530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

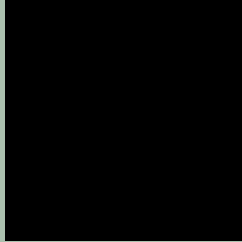
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3013, 0.3084, 0.3530

Background



This preview shows how black text looks on a background with the Yxy color 49.3013, 0.3084, 0.3530.



This preview shows how white text looks on a background with the Yxy color 49.3013, 0.3084, 0.3530.

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

49.3013, 0.3084, 0.3530

Protanopia

48.9377, 0.3315, 0.3482

Deuteranopia

49.1870, 0.3406, 0.3340



Tritanopia

49.3922, 0.2913, 0.3098

Trichromacy



Original Color

49.3013, 0.3084, 0.3530

Protanomaly

49.2210, 0.3234, 0.3511

Deuteranomaly

48.8455, 0.3285, 0.3404

Tritanomaly

49.0852, 0.2976, 0.3251

Monochromacy



Original Color

49.3013, 0.3084, 0.3530

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.8781, 0.3107, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3013, 0.3084, 0.3530 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(170, 192, 174)` looks like.

```
.text, #text, p{  
    color:rgb(170, 192, 174)  
}
```

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(170, 192, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 192, 174) }
```

Border

The CSS property to change the border of an element to Yxy 49.3013, 0.3084, 0.3530 is called "border". The border property can be set on classes, ids or directly on the HTML element.

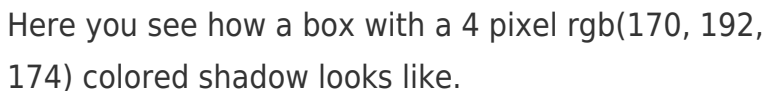
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 192, 174) }
```

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

```
.border{ border-color:rgb(170, 192, 174) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 192, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 192, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 192, 174);  
box-shadow:4px 4px 4px 4px rgb(170, 192,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3013, 0.3084, 0.3530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 192, 174) }
```

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

```
.background{ background-color: rgb(170,  
192, 174) }
```

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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