

Converting Colors

$Yxy(49.8506, 0.2968, 0.3452)$

Have a look what the booklet for
Yxy(49.8506, 0.2968, 0.3452)
contains.

Yxy(49.7475, 0.2971, 0.3450)	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(49.7475, 0.2971, 0.3450)

Conversions

Conversions Part 1

Format	Color
Hex	A3C2B6
RGB	163, 194, 182
RGB Percent	64%, 76%, 71%
CMY	0.3608, 0.2392, 0.2862
CMYK	0.16, 0.00, 0.06, 0.24
HSL	157°, 20%, 70%
HSV	157°, 16%, 76%
XYZ	42.8405, 49.7475, 51.6076
YIQ	183.3630, -14.6240, -10.3040

Conversions

Conversions Part 2

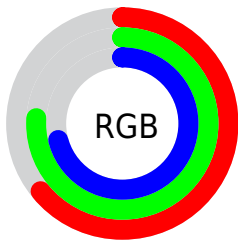
Format	Color
R _Y B	163, 182, 194
Decimal	10732214
CIE Lab	75.91, -12.82, 2.54
CIE LCh	76, 13.068, 168.810
Yxy	49.7475, 0.2971, 0.3450
Android (android.graphics.Color)	4288922294 (0xFFA3C2B6)
YUV	183.3630, -0.6720, -17.8584
Hunter-Lab	70.5319, -15.0113, 5.9903

Details

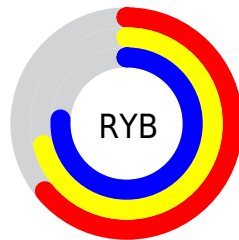
The Yxy color **49.7475, 0.2971, 0.3450** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.7591, 0.3314, 0.3136**, and the grayscale version is **47.5748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0728, 0.2997, 0.3424**, and **23.7207, 0.2930, 0.3493** is the 20% darker color. If you saturate the color by 10%, you get **47.5544, 0.2879, 0.3564**, and if you desaturate by 10%, it is **52.2755, 0.3068, 0.3347**.

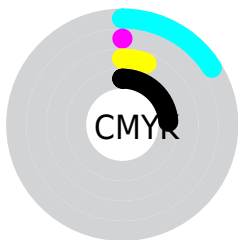
Distribution



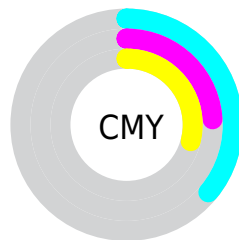
- Red (64%)
- Green (76%)
- Blue (71%)



- Red (64%)
- Yellow (71%)
- Blue (76%)



- Cyan (16%)
- Magenta (0%)
- Yellow (6%)
- Black (24%)




- Cyan (36%)
- Magenta (24%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7475, 0.2971, 0.3450 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 49.7475, 0.2971, 0.3450 by changing the saturation by 10% instead.


 49.7475, 0.2971,
0.3450

 49.7475, 0.2971,
0.3450


385.6777, 0.3049,
0.3370

 35.2128, 0.2952,
0.3470

 89.8006, 0.2999,
0.3421

 23.8269, 0.2927,
0.3496


 116.0879, 0.3010,
0.3410

 15.2052, 0.2894,
0.3530


147.0615, 0.3019,
0.3401

 8.9635, 0.2849,
0.3578

183.1057, 0.3026,
0.3393

 4.7174, 0.2781,
0.3649

224.6051, 0.3033,
0.3386

 2.0824, 0.2671,
0.3768

271.9439, 0.3039,

 0.6547, 0.2063,

0.3380

0.4366

325.5067, 0.3044,
0.3375

0.0000, 0.0000,
0.0000

49.7475, 0.2971,
0.3450

49.7475, 0.2971,
0.3450

47.5544, 0.2879,
0.3564

52.2755, 0.3068,
0.3347

45.6754, 0.2795,
0.3688

55.1459, 0.3167,
0.3254

44.0970, 0.2721,
0.3822


58.3734, 0.3267,
0.3171

42.8023, 0.2661,
0.3963


61.9703, 0.3366,
0.3098


41.7723, 0.2618,
0.4110


64.9871, 0.3422,
0.3031


 40.9861, 0.2594,
0.4260


 65.3924, 0.3364,
0.2956


 40.4191, 0.2591,
0.4410

 65.8158, 0.3306,
0.2884

 40.0404, 0.2606,
0.4556

 66.2575, 0.3250,
0.2812

 39.9165, 0.2615,
0.4615

 66.7177, 0.3195,
0.2743

Harmonies

Analogous

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



49.7475, 0.3145, 0.3568



49.7475, 0.2971, 0.3450



49.7475, 0.2841, 0.3287

Triad

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



49.7475, 0.2971, 0.3450



49.7475, 0.2933, 0.2989



49.7475, 0.3481, 0.3434

Complementary

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



49.7475, 0.2971, 0.3450



40.7591, 0.3314, 0.3136

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.



49.7475, 0.3421, 0.3282



49.7475, 0.2971, 0.3450



49.7475, 0.3101, 0.3031

Square

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



49.7475, 0.2971, 0.3450



49.7475, 0.2819, 0.3024



49.7475, 0.3281, 0.3137



49.7475, 0.3443, 0.3553

Rectangle

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



49.7475, 0.2971, 0.3450



49.7475, 0.2795, 0.3179



49.7475, 0.3281, 0.3137



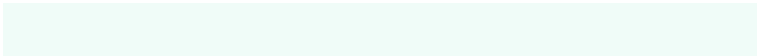
49.7475, 0.3472, 0.3385

Sweetspot

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



49.7496, 0.2971, 0.3450



95.1495, 0.3077, 0.3338



50.3898, 0.3208, 0.3701



20.7596, 0.3070, 0.3345



0.0000, 0.0000, 0.0000



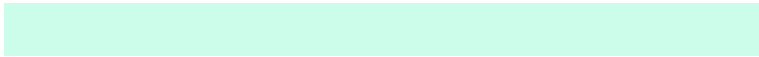
21.4041, 0.3127, 0.3290

Same Dimension

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



49.7496, 0.2971, 0.3450



88.7446, 0.2940, 0.3487



48.9010, 0.2886, 0.3248



11.3603, 0.3035, 0.3381



26.2595, 0.2610, 0.4595



1.1478, 0.2519, 0.4269

Inverse Universe

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



40.7591, 0.3314, 0.3136



69.5254, 0.3361, 0.3102



41.4233, 0.3419, 0.3331



10.1409, 0.3230, 0.3201



7.8899, 0.5406, 0.2752



0.3544, 0.4806, 0.2421

Previews

White Background



This preview shows how the Yxy color 49.7475, 0.2971, 0.3450 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 49.7475, 0.2971, 0.3450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

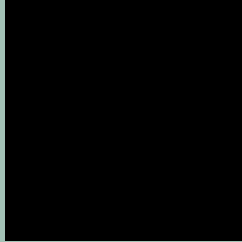
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

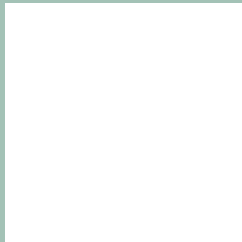
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7475, 0.2971, 0.3450

Background



This preview shows how black text looks on a background with the Yxy color 49.7475, 0.2971, 0.3450.



This preview shows how white text looks on a background with the Yxy color 49.7475, 0.2971, 0.3450.

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

49.7475, 0.2971, 0.3450

Protanopia

49.5386, 0.3241, 0.3392

Deuteranopia

49.5297, 0.3302, 0.3242



Tritanopia

49.4986, 0.2834, 0.3083

Trichromacy



Original Color

49.7475, 0.2971, 0.3450

Protanomaly

49.4736, 0.3138, 0.3420

Deuteranomaly

49.5257, 0.3176, 0.3315

Tritanomaly

49.3998, 0.2888, 0.3211

Monochromacy



Original Color

49.7475, 0.2971, 0.3450

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.1897, 0.3067, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7475, 0.2971, 0.3450 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(163, 194, 182)` looks like.

```
.text, #text, p{  
    color:rgb(163, 194, 182)  
}
```

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(163, 194, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 194, 182) }
```

Border

The CSS property to change the border of an element to Yxy 49.7475, 0.2971, 0.3450 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(163, 194, 182) }
```

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

```
.border{ border-color:rgb(163, 194, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 194, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 194, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 194, 182);  
box-shadow:4px 4px 4px 4px rgb(163, 194,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7475, 0.2971, 0.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 194, 182) }
```

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

```
.background{ background-color: rgb(163,  
194, 182) }
```

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