

Converting Colors

$Yxy(49.9351, 0.3065, 0.3701)$

Have a look what the booklet for
Yxy(49.9351, 0.3065, 0.3701)
contains.

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Color

Yxy(49.8101, 0.3069, 0.3699)

Conversions

Conversions Part 1

Format	Color
Hex	A1C4A6
RGB	161, 196, 166
RGB Percent	63%, 77%, 65%
CMY	0.3685, 0.2314, 0.3489
CMYK	0.18, 0.00, 0.15, 0.23
HSL	129°, 23%, 70%
HSV	129°, 18%, 77%
XYZ	41.3266, 49.8101, 43.5216
YIQ	182.1150, -11.2300, -16.7500

Conversions

Conversions Part 2

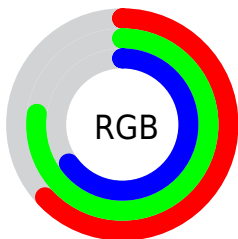
Format	Color
RYB	161, 192, 196
Decimal	10601638
CIELab	75.95, -17.56, 11.21
CIELCh	76, 20.831, 147.432
Yxy	49.8101, 0.3069, 0.3699
Android (android.graphics.Color)	4288791718 (0xFFA1C4A6)
YUV	182.1150, -7.9447, -18.5179
Hunter-Lab	70.5763, -18.9860, 12.8416

Details

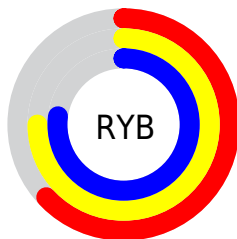
The Yxy color **49.8101, 0.3069, 0.3699** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.9976, 0.3191, 0.2913**, and the grayscale version is **46.8982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0699, 0.3080, 0.3627**, and **23.8121, 0.3050, 0.3820** is the 20% darker color. If you saturate the color by 10%, you get **47.3555, 0.3036, 0.3968**, and if you desaturate by 10%, it is **52.6687, 0.3102, 0.3459**.

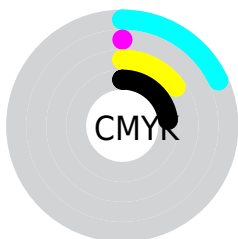
Distribution



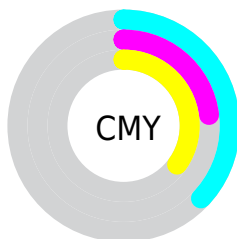
- Red (63%)
- Green (77%)
- Blue (65%)



- Red (63%)
- Yellow (75%)
- Blue (77%)



- Cyan (18%)
- Magenta (0%)
- Yellow (15%)
- Black (23%)





- Cyan (37%)
- Magenta (23%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8101, 0.3069, 0.3699 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 49.8101, 0.3069, 0.3699 by changing the saturation by 10% instead.

 49.8101, 0.3069,
0.3699


 49.8101, 0.3069,
0.3699


385.9229, 0.3100,
0.3491

 35.2625, 0.3060,
0.3752


 89.8934, 0.3081,
0.3623

 23.8652, 0.3049,
0.3820


 116.1980, 0.3085,
0.3594

 15.2336, 0.3033,
0.3913


147.1904, 0.3089,
0.3570

 8.9835, 0.3009,
0.4044

183.2549, 0.3092,
0.3550

 4.7304, 0.2969,
0.4244

224.7761, 0.3095,
0.3532

 2.0900, 0.2894,
0.4584

272.1382, 0.3097,


 0.6590, 0.2309,


0.3517


0.7691

325.7256, 0.3099,
0.3503


 0.0000, 0.0000,
0.0000

 49.8101, 0.3069,
0.3699

 49.8101, 0.3069,
0.3699

 47.3555, 0.3036,
0.3968


 52.6687, 0.3102,
0.3459

 45.2806, 0.3006,
0.4262


 55.9417, 0.3134,
0.3247

 43.5683, 0.2979,
0.4574

 59.6472, 0.3165,
0.3062

 42.1975, 0.2958,
0.4891

 63.8000, 0.3193,
0.2901

 41.1451, 0.2945,
0.5198

 67.6423, 0.3190,
0.2758

■ 40.3850, 0.2943,
0.5474

■ 67.9580, 0.3154,
0.2712

■ 39.8869, 0.2951,
0.5699

■ 39.6074, 0.2966,
0.5861

■ 39.5617, 0.2969,
0.5888

Harmonies

Analogous

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



49.8101, 0.3353, 0.3797



49.8101, 0.3069, 0.3699



49.8101, 0.2809, 0.3474

Triad

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



49.8101, 0.3069, 0.3699



49.8101, 0.2681, 0.2841



49.8101, 0.3642, 0.3342

Complementary

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



49.8101, 0.3069, 0.3699



40.9976, 0.3191, 0.2913

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.



49.8101, 0.3445, 0.3109



49.8101, 0.3069, 0.3699



49.8101, 0.2887, 0.2827

Square

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



49.8101, 0.3069, 0.3699



49.8101, 0.2592, 0.2973



49.8101, 0.3166, 0.2925



49.8101, 0.3692, 0.3573

Rectangle

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



49.8101, 0.3069, 0.3699



49.8101, 0.2682, 0.3293



49.8101, 0.3166, 0.2925



49.8101, 0.3590, 0.3262

Sweetspot

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



49.8122, 0.3069, 0.3699



96.9774, 0.3111, 0.3397



53.1720, 0.3353, 0.3734



20.6696, 0.3109, 0.3413



0.0000, 0.0000, 0.0000



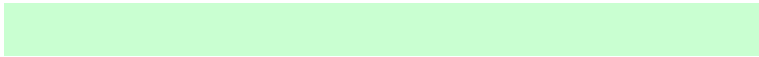
21.4041, 0.3127, 0.3290

Same Dimension

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



49.8122, 0.3069, 0.3699



88.6079, 0.3058, 0.3790



50.4845, 0.2948, 0.3461



11.2817, 0.3097, 0.3493



25.4291, 0.2964, 0.5872



1.1064, 0.2870, 0.5533

Inverse Universe

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



40.9976, 0.3191, 0.2913



69.9810, 0.3206, 0.2837



40.2860, 0.3347, 0.3125



10.2220, 0.3159, 0.3095



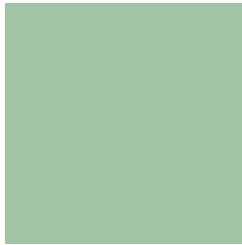
9.3678, 0.3601, 0.1758



0.4117, 0.3501, 0.1702

Previews

White Background



This preview shows how the Yxy color 49.8101, 0.3069, 0.3699 looks on a white background.

Color Contrast Check

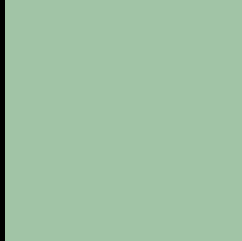
Large Text (above 18pt) WCAG AA × Fail

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 49.8101, 0.3069, 0.3699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

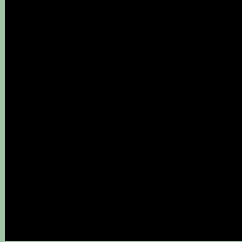
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8101, 0.3069, 0.3699

Background



This preview shows how black text looks on a background with the Yxy color 49.8101, 0.3069, 0.3699.



This preview shows how white text looks on a background with the Yxy color 49.8101, 0.3069, 0.3699.

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





Tritanopia

49.6080, 0.2841, 0.3084

Trichromacy



Original Color

49.8101, 0.3069, 0.3699

Protanomaly

49.5385, 0.3277, 0.3644

Deuteranomaly

49.2824, 0.3330, 0.3520

Tritanomaly

49.4602, 0.2923, 0.3303

Monochromacy



Original Color

49.8101, 0.3069, 0.3699

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.6739, 0.3104, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8101, 0.3069, 0.3699 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(161, 196, 166)` looks like.

```
.text, #text, p{  
    color:rgb(161, 196, 166)  
}
```

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(161, 196, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 196, 166) }
```

Border

The CSS property to change the border of an element to Yxy 49.8101, 0.3069, 0.3699 is called "border". The border property can be set on classes, ids or directly on the HTML element.

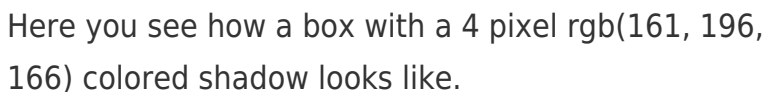
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(161, 196, 166) }
```

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

```
.border{ border-color:rgb(161, 196, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(161, 196, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 196, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 196, 166); box-shadow:4px 4px 4px 4px rgb(161, 196, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8101, 0.3069, 0.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 196, 166) }
```

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

```
.background{ background-color: rgb(161,  
196, 166) }
```

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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