

Converting Colors

$Yxy(49.6984, 0.3118, 0.3653)$

Have a look what the booklet for
Yxy(49.6984, 0.3118, 0.3653)
contains.

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Color

Yxy(49.6984, 0.3118, 0.3653)

Conversions

Conversions Part 1

Format	Color
Hex	A8C2A7
RGB	168, 194, 167
RGB Percent	66%, 76%, 65%
CMY	0.3411, 0.2392, 0.3450
CMYK	0.13, 0.00, 0.14, 0.24
HSL	118°, 18%, 71%
HSV	118°, 14%, 76%
XYZ	42.4198, 49.6984, 43.9300
YIQ	183.1480, -6.8290, -13.9090

Conversions

Conversions Part 2

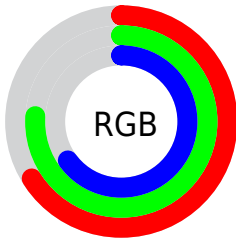
Format	Color
R _{YB}	167, 194, 193
Decimal	11059879
CIE Lab	75.88, -13.95, 10.64
CIE LCh	76, 17.540, 142.674
Yxy	49.6984, 0.3118, 0.3653
Android (android.graphics.Color)	4289249959 (0xFFA8C2A7)
YUV	183.1480, -7.9610, -13.2848
Hunter-Lab	70.4971, -15.9621, 12.4017

Details

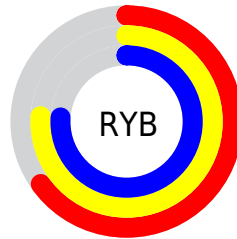
The Yxy color **49.6984, 0.3118, 0.3653** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.8823, 0.3134, 0.2950**, and the grayscale version is **47.4901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9563, 0.3119, 0.3592**, and **23.7070, 0.3116, 0.3755** is the 20% darker color. If you saturate the color by 10%, you get **47.1295, 0.3109, 0.3954**, and if you desaturate by 10%, it is **52.6741, 0.3125, 0.3385**.

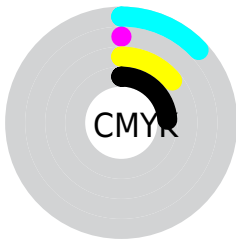
Distribution



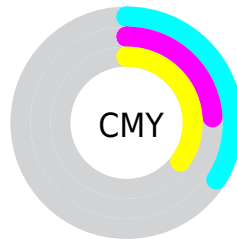
- Red (66%)
- Green (76%)
- Blue (65%)



- Red (65%)
- Yellow (76%)
- Blue (76%)



- Cyan (13%)
- Magenta (0%)
- Yellow (14%)
- Black (24%)




- Cyan (34%)
- Magenta (24%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6984, 0.3118, 0.3653 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 49.6984, 0.3118, 0.3653 by changing the saturation by 10% instead.


 49.6984, 0.3118,
0.3653


 49.6984, 0.3118,
0.3653


385.4853, 0.3125,
0.3469

 35.1738, 0.3116,
0.3700

 89.7279, 0.3121,
0.3586

 23.7968, 0.3112,
0.3760


 116.0015, 0.3122,
0.3561

 15.1830, 0.3107,
0.3841


146.9603, 0.3123,
0.3539

 8.9479, 0.3099,
0.3955

182.9887, 0.3123,
0.3521

 4.7072, 0.3083,
0.4129

224.4709, 0.3124,
0.3506

 2.0765, 0.3050,
0.4423

271.7915, 0.3124,

 0.6514, 0.2996,

0.3492

0.7004

325.3349, 0.3124,
0.3480

0.0000, 0.0000,
0.0000

49.6984, 0.3118,
0.3653

49.6984, 0.3118,
0.3653

47.1295, 0.3109,
0.3954

52.6741, 0.3125,
0.3385

44.9436, 0.3098,
0.4284

56.0663, 0.3130,
0.3151

43.1245, 0.3086,
0.4633

59.8927, 0.3134,
0.2948

41.6518, 0.3071,
0.4986

64.1677, 0.3137,
0.2773

40.5038, 0.3055,
0.5318

67.0627, 0.3155,
0.2693

■ 39.6557, 0.3039,
0.5603

■ 39.0797, 0.3024,
0.5818

■ 38.7423, 0.3011,
0.5947

■ 38.6285, 0.3007,
0.5994

Harmonies

Analogous

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



49.6984, 0.3355, 0.3717



49.6984, 0.3118, 0.3653



49.6984, 0.2890, 0.3479

Triad

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



49.6984, 0.3118, 0.3653



49.6984, 0.2730, 0.2922



49.6984, 0.3541, 0.3303

Complementary

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



49.6984, 0.3118, 0.3653



42.8823, 0.3134, 0.2950

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.



49.6984, 0.3361, 0.3109



49.6984, 0.3118, 0.3653



49.6984, 0.2892, 0.2892

Square

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



49.6984, 0.3118, 0.3653



49.6984, 0.2672, 0.3050



49.6984, 0.3122, 0.2961



49.6984, 0.3605, 0.3503

Rectangle

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



49.6984, 0.3118, 0.3653



49.6984, 0.2773, 0.3330



49.6984, 0.3122, 0.2961



49.6984, 0.3492, 0.3236

Sweetspot

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



49.7005, 0.3118, 0.3653



95.3409, 0.3125, 0.3389



52.2455, 0.3335, 0.3614



20.7826, 0.3124, 0.3409



0.0000, 0.0000, 0.0000



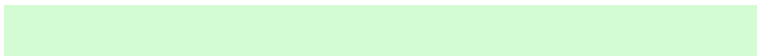
21.4041, 0.3127, 0.3290

Same Dimension

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



49.7005, 0.3118, 0.3653



88.3979, 0.3115, 0.3751



50.0629, 0.3022, 0.3487



11.2760, 0.3121, 0.3527



25.4055, 0.3009, 0.5993



1.1039, 0.3044, 0.5965

Inverse Universe

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



42.8823, 0.3134, 0.2950



73.4069, 0.3136, 0.2866



42.4892, 0.3248, 0.3101



10.2281, 0.3132, 0.3063



9.5069, 0.3119, 0.1492



0.4167, 0.3140, 0.1504

Previews

White Background



This preview shows how the Yxy color 49.6984, 0.3118, 0.3653 looks on a white background.

Color Contrast Check

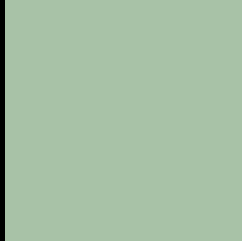
Large Text (above 18pt) WCAG AA × Fail

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 49.6984, 0.3118, 0.3653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

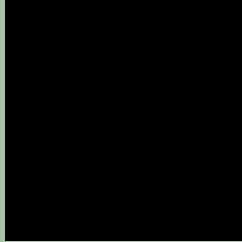
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

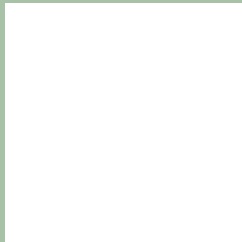
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6984, 0.3118, 0.3653

Background



This preview shows how black text looks on a background with the Yxy color 49.6984, 0.3118, 0.3653.



This preview shows how white text looks on a background with the Yxy color 49.6984, 0.3118, 0.3653.

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

49.6984, 0.3118, 0.3653

Protanopia

49.3643, 0.3388, 0.3583

Deuteranopia

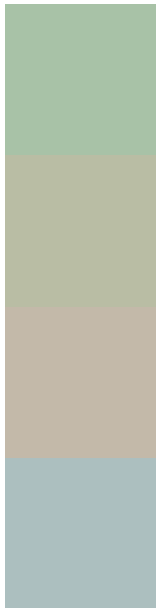
49.3937, 0.3485, 0.3413



Tritanopia

49.7535, 0.2899, 0.3098

Trichromacy



Original Color

49.6984, 0.3118, 0.3653

Protanomaly

49.3898, 0.3288, 0.3616

Deuteranomaly

49.1646, 0.3341, 0.3494

Tritanomaly

49.7938, 0.2976, 0.3290

Monochromacy



Original Color

49.6984, 0.3118, 0.3653

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.1799, 0.3129, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6984, 0.3118, 0.3653 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, 194, 167)` looks like.

```
.text, #text, p{  
    color:rgb(168, 194, 167)  
}
```

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, 194, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 194, 167) }
```

Border

The CSS property to change the border of an element to Yxy 49.6984, 0.3118, 0.3653 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, 194, 167) }
```

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

```
.border{ border-color:rgb(168, 194, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 194, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 194, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 194, 167);  
box-shadow:4px 4px 4px 4px rgb(168, 194,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6984, 0.3118, 0.3653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 194, 167) }
```

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

```
.background{ background-color: rgb(168,  
194, 167) }
```

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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