

Converting Colors

$Yxy(49.9793, 0.3096, 0.3784)$

Have a look what the booklet for
Yxy(49.9793, 0.3096, 0.3784)
contains.

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Color

Yxy(49.9793, 0.3096, 0.3784)

Conversions

Conversions Part 1

Format	Color
Hex	A0C5A1
RGB	160, 197, 161
RGB Percent	63%, 77%, 63%
CMY	0.3727, 0.2274, 0.3686
CMYK	0.19, 0.00, 0.18, 0.23
HSL	122°, 24%, 70%
HSV	122°, 19%, 77%
XYZ	40.8922, 49.9793, 41.2091
YIQ	181.8330, -10.4960, -19.0400

Conversions

Conversions Part 2

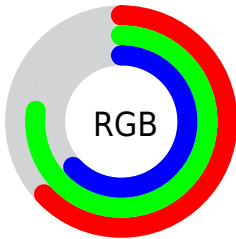
Format	Color
RYB	160, 196, 197
Decimal	10536353
CIELab	76.06, -19.34, 14.05
CIELCh	76, 23.901, 143.998
Yxy	49.9793, 0.3096, 0.3784
Android (android.graphics.Color)	4288726433 (0xFFA0C5A1)
YUV	181.8330, -10.2707, -19.1475
Hunter-Lab	70.6960, -20.4697, 14.9267

Details

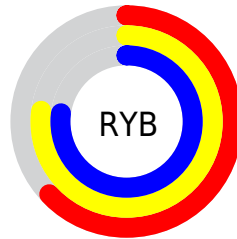
The Yxy color **49.9793, 0.3096, 0.3784** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.9887, 0.3158, 0.2841**, and the grayscale version is **46.7430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2886, 0.3102, 0.3692**, and **23.9372, 0.3087, 0.3937** is the 20% darker color. If you saturate the color by 10%, you get **47.4849, 0.3078, 0.4094**, and if you desaturate by 10%, it is **52.9032, 0.3113, 0.3507**.

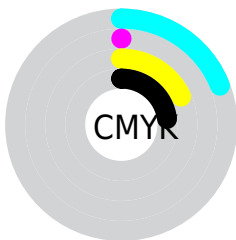
Distribution



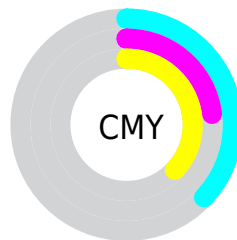
- Red (63%)
- Green (77%)
- Blue (63%)



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



- Cyan (19%)
- Magenta (0%)
- Yellow (18%)
- Black (23%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9793, 0.3096, 0.3784 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 49.9793, 0.3096, 0.3784 by changing the saturation by 10% instead.


 49.9793, 0.3096,
0.3784

 49.9793, 0.3096,
0.3784


386.5850, 0.3115,
0.3532

 35.3970, 0.3090,
0.3848


 90.1442, 0.3104,
0.3691

 23.9688, 0.3082,
0.3932


 116.4956, 0.3107,
0.3657

 15.3105, 0.3069,
0.4044


147.5387, 0.3109,
0.3628

 9.0376, 0.3049,
0.4204

183.6580, 0.3111,
0.3603

 4.7657, 0.3014,
0.4448

225.2379, 0.3112,
0.3582

 2.1105, 0.2941,
0.4863

272.6628, 0.3113,

 0.6705, 0.1977,

0.3563

0.8023

326.3170, 0.3114,
0.3547

0.0000, 0.0000,
0.0000

49.9793, 0.3096,
0.3784

49.9793, 0.3096,
0.3784

47.4849, 0.3078,
0.4094

52.9032, 0.3113,
0.3507

45.3938, 0.3059,
0.4429

56.2688, 0.3129,
0.3262

43.6867, 0.3040,
0.4778

60.0956, 0.3143,
0.3051

42.3403, 0.3024,
0.5123

64.4001, 0.3156,
0.2868

41.3287, 0.3010,
0.5437

68.4174, 0.3154,
0.2722

■ 40.6226, 0.3001,
0.5695

■ 40.1875, 0.2997,
0.5876

■ 39.9697, 0.2996,
0.5975

■ 39.9494, 0.2996,
0.5984

Harmonies

Analogous

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



49.9793, 0.3419, 0.3875



49.9793, 0.3096, 0.3784



49.9793, 0.2792, 0.3536

Triad

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



49.9793, 0.3096, 0.3784



49.9793, 0.2600, 0.2787



49.9793, 0.3700, 0.3315

Complementary

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



49.9793, 0.3096, 0.3784



40.9887, 0.3158, 0.2841

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.



49.9793, 0.3458, 0.3055



49.9793, 0.3096, 0.3784



49.9793, 0.2820, 0.2759

Square

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



49.9793, 0.3096, 0.3784



49.9793, 0.2516, 0.2950



49.9793, 0.3132, 0.2857



49.9793, 0.3778, 0.3581

Rectangle

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



49.9793, 0.3096, 0.3784



49.9793, 0.2640, 0.3327



49.9793, 0.3132, 0.2857



49.9793, 0.3634, 0.3225

Sweetspot

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



49.9814, 0.3096, 0.3784



96.2915, 0.3118, 0.3437



54.2632, 0.3402, 0.3753



20.5278, 0.3117, 0.3454



0.0000, 0.0000, 0.0000



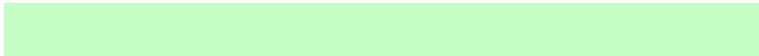
21.4041, 0.3127, 0.3290

Same Dimension

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



49.9814, 0.3096, 0.3784



87.3789, 0.3088, 0.3921



50.6673, 0.2969, 0.3530



11.8926, 0.3112, 0.3522



26.2754, 0.2994, 0.5980



1.2458, 0.2974, 0.5907

Inverse Universe

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



40.9887, 0.3158, 0.2841



68.0136, 0.3166, 0.2731



40.2133, 0.3321, 0.3062



10.8114, 0.3142, 0.3069



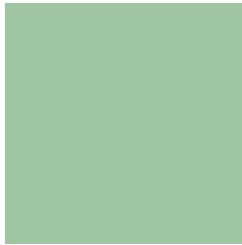
10.2996, 0.3279, 0.1580



0.4893, 0.3263, 0.1571

Previews

White Background



This preview shows how the Yxy color 49.9793, 0.3096, 0.3784 looks on a white background.

Color Contrast Check

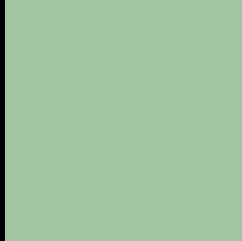
Large Text (above 18pt) WCAG AA × Fail

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 49.9793, 0.3096, 0.3784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

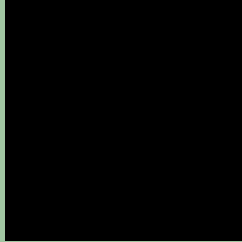
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

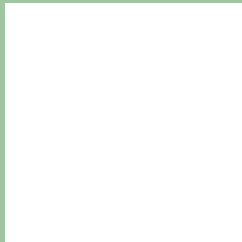
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9793, 0.3096, 0.3784

Background



This preview shows how black text looks on a background with the Yxy color 49.9793, 0.3096, 0.3784.



This preview shows how white text looks on a background with the Yxy color 49.9793, 0.3096, 0.3784.

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

49.9793, 0.3096, 0.3784

Protanopia

49.8113, 0.3461, 0.3684

Deuteranopia

49.4690, 0.3555, 0.3485



Tritanopia

50.0427, 0.2842, 0.3097

Trichromacy



Original Color

49.9793, 0.3096, 0.3784

Protanomaly

49.9206, 0.3323, 0.3722

Deuteranomaly

49.2315, 0.3379, 0.3584

Tritanomaly

49.8570, 0.2930, 0.3329

Monochromacy



Original Color

49.9793, 0.3096, 0.3784

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.5953, 0.3119, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9793, 0.3096, 0.3784 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(160, 197, 161)` looks like.

```
.text, #text, p{  
    color:rgb(160, 197, 161)  
}
```

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(160, 197, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 197, 161) }
```

Border

The CSS property to change the border of an element to Yxy 49.9793, 0.3096, 0.3784 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(160, 197, 161) }
```

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

```
.border{ border-color:rgb(160, 197, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 197, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 197, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 197, 161);  
box-shadow:4px 4px 4px 4px rgb(160, 197,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9793, 0.3096, 0.3784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 197, 161) }
```

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

```
.background{ background-color: rgb(160,  
197, 161) }
```

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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