

Converting Colors

$Yxy(49.3495, 0.3117, 0.3730)$

Have a look what the booklet for
Yxy(49.3495, 0.3117, 0.3730)
contains.

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Color

Yxy(49.5314, 0.3122, 0.3740)

Conversions

Conversions Part 1

Format	Color
Hex	A4C3A2
RGB	164, 195, 162
RGB Percent	64%, 76%, 64%
CMY	0.3568, 0.2353, 0.3647
CMYK	0.16, 0.00, 0.17, 0.24
HSL	116°, 22%, 70%
HSV	116°, 17%, 76%
XYZ	41.3468, 49.5314, 41.5587
YIQ	181.9690, -7.8830, -16.8350

Conversions

Conversions Part 2

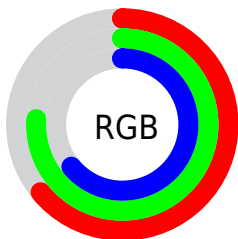
Format	Color
R _{YB}	162, 195, 193
Decimal	10797986
CIE _{Lab}	75.78, -16.75, 13.17
CIE _{LCh}	76, 21.308, 141.837
Yxy	49.5314, 0.3122, 0.3740
Android (android.graphics.Color)	4288988066 (0xFFA4C3A2)
YUV	181.9690, -9.8447, -15.7588
Hunter-Lab	70.3785, -18.2952, 14.2541

Details

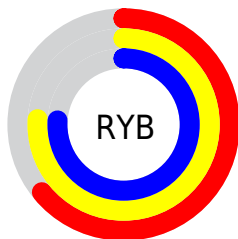
The Yxy color **49.5314, 0.3122, 0.3740** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.1135, 0.3128, 0.2873**, and the grayscale version is **46.8205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6906, 0.3122, 0.3658**, and **23.6203, 0.3121, 0.3875** is the 20% darker color. If you saturate the color by 10%, you get **47.0830, 0.3116, 0.4049**, and if you desaturate by 10%, it is **52.3720, 0.3126, 0.3463**.

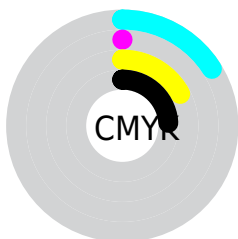
Distribution



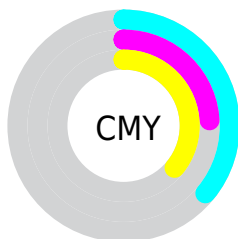
- Red (64%)
- Green (76%)
- Blue (64%)



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



- Cyan (16%)
- Magenta (0%)
- Yellow (17%)
- Black (24%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5314, 0.3122, 0.3740 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 49.5314, 0.3122, 0.3740 by changing the saturation by 10% instead.

 49.5314, 0.3122,
0.3740


 49.5314, 0.3122,
0.3740


384.8306, 0.3128,
0.3511

 35.0412, 0.3120,
0.3798


 89.4802, 0.3125,
0.3656

 23.6946, 0.3116,
0.3874


 115.7076, 0.3126,
0.3625

 15.1072, 0.3110,
0.3976


146.6161, 0.3126,
0.3598

 8.8947, 0.3099,
0.4121

182.5903, 0.3127,
0.3576

 4.6726, 0.3079,
0.4341

224.0144, 0.3127,
0.3556

 2.0564, 0.3031,
0.4717

271.2729, 0.3127,


 0.6400, 0.2375,


0.3539


0.7625


324.7502, 0.3128,
0.3524

 0.0000, 0.0000,
0.0000


 49.5314, 0.3122,
0.3740


 49.5314, 0.3122,
0.3740


 47.0830, 0.3116,
0.4049


 52.3720, 0.3126,
0.3463

 45.0037, 0.3108,
0.4384


 55.6142, 0.3128,
0.3218


 43.2773, 0.3097,
0.4735

 59.2752, 0.3128,
0.3006

 41.8844, 0.3083,
0.5082

 63.3692, 0.3128,
0.2822

 40.8032, 0.3066,
0.5401

 67.5119, 0.3155,
0.2703

■ 40.0098, 0.3048,
0.5667

■ 39.4765, 0.3030,
0.5858

■ 39.1692, 0.3014,
0.5967

■ 39.1094, 0.3012,
0.5990

Harmonies

Analogous

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



49.5314, 0.3409, 0.3811



49.5314, 0.3122, 0.3740



49.5314, 0.2846, 0.3529

Triad

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



49.5314, 0.3122, 0.3740



49.5314, 0.2643, 0.2846



49.5314, 0.3627, 0.3296

Complementary

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



49.5314, 0.3122, 0.3740



41.1135, 0.3128, 0.2873

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.



49.5314, 0.3404, 0.3064



49.5314, 0.3122, 0.3740



49.5314, 0.2834, 0.2810

Square

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



49.5314, 0.3122, 0.3740



49.5314, 0.2578, 0.3002



49.5314, 0.3111, 0.2890



49.5314, 0.3709, 0.3537

Rectangle

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



49.5314, 0.3122, 0.3740



49.5314, 0.2703, 0.3345



49.5314, 0.3111, 0.2890



49.5314, 0.3566, 0.3216

Sweetspot

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



49.5335, 0.3122, 0.3740



94.8150, 0.3126, 0.3415



52.2637, 0.3383, 0.3679



20.6764, 0.3126, 0.3433



0.0000, 0.0000, 0.0000



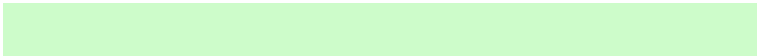
21.4041, 0.3127, 0.3290

Same Dimension

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



49.5335, 0.3122, 0.3740



87.1516, 0.3120, 0.3841



49.8586, 0.3004, 0.3542



11.2875, 0.3125, 0.3527



25.4309, 0.3015, 0.5988



1.1091, 0.3072, 0.5943

Inverse Universe

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



41.1135, 0.3128, 0.2873



69.4861, 0.3128, 0.2788



40.7638, 0.3273, 0.3051



10.2152, 0.3128, 0.3062



9.1245, 0.3058, 0.1458



0.4039, 0.3094, 0.1478

Previews

White Background



This preview shows how the Yxy color 49.5314, 0.3122, 0.3740 looks on a white background.

Color Contrast Check

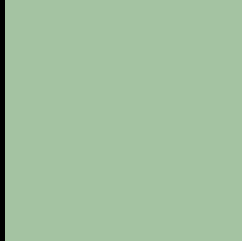
Large Text (above 18pt) WCAG AA × Fail

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 49.5314, 0.3122, 0.3740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

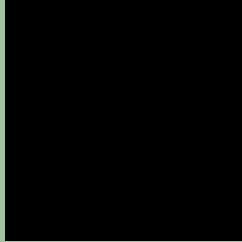
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

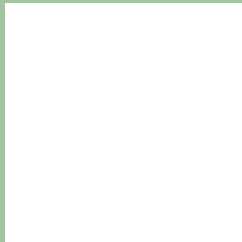
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.5314, 0.3122, 0.3740

Background



This preview shows how black text looks on a background with the Yxy color 49.5314, 0.3122, 0.3740.

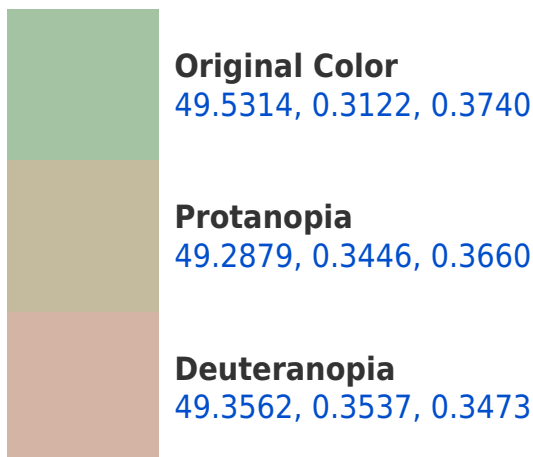


This preview shows how white text looks on a background with the Yxy color 49.5314, 0.3122, 0.3740.

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

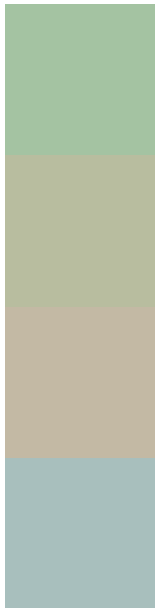




Tritanopia

49.4128, 0.2876, 0.3097

Trichromacy



Original Color

49.5314, 0.3122, 0.3740

Protanomaly

49.0887, 0.3319, 0.3684

Deuteranomaly

48.9804, 0.3382, 0.3558

Tritanomaly

49.2606, 0.2959, 0.3316

Monochromacy



Original Color

49.5314, 0.3122, 0.3740

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.7498, 0.3120, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5314, 0.3122, 0.3740 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(164, 195, 162)` looks like.

```
.text, #text, p{  
    color:rgb(164, 195, 162)  
}
```

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(164, 195, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 195, 162) }
```

Border

The CSS property to change the border of an element to Yxy 49.5314, 0.3122, 0.3740 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(164, 195, 162) }
```

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

```
.border{ border-color:rgb(164, 195, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 195, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 195, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 195, 162);  
box-shadow:4px 4px 4px 4px rgb(164, 195,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5314, 0.3122, 0.3740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 195, 162) }
```

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

```
.background{ background-color: rgb(164,  
195, 162) }
```

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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