

Converting Colors

$Yxy(49.1442, 0.3120, 0.3686)$

Have a look what the booklet for
Yxy(49.1442, 0.3120, 0.3686)
contains.

| | |
|---|----|
| Yxy(49.3709, 0.3124, 0.3697) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(49.3709, 0.3124, 0.3697)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A6C2A4 |
| RGB | 166, 194, 164 |
| RGB Percent | 65%, 76%, 64% |
| CMY | 0.3490, 0.2392, 0.3569 |
| CMYK | 0.14, 0.00, 0.15, 0.24 |
| HSL | 116°, 20%, 70% |
| HSV | 116°, 15%, 76% |
| XYZ | 41.7189, 49.3709, 42.4534 |
| YIQ | 182.2080, -7.0580, -15.2660 |

Conversions

Conversions Part 2

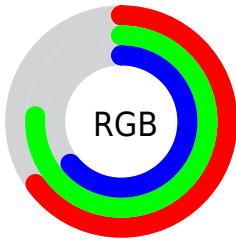
| Format | Color |
|-------------------------------------|--|
| RYB | 164, 194, 192 |
| Decimal | 10928804 |
| CIELab | 75.68, -15.19, 11.96 |
| CIElCh | 76, 19.336, 141.786 |
| Yxy | 49.3709, 0.3124, 0.3697 |
| Android (android.graphics.Color) | 4289118884 (0xFFA6C2A4) |
| YUV | 182.2080, -8.9765, -14.2144 |
| Hunter-Lab | 70.2644, -16.9800, 13.3624 |

Details

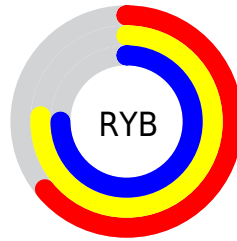
The Yxy color $49.3709, 0.3124, 0.3697$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $41.6542, 0.3127, 0.2910$, and the grayscale version is $46.9523, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.4810, 0.3124, 0.3626$, and $23.5034, 0.3124, 0.3816$ is the 20% darker color. If you saturate the color by 10%, you get $46.9035, 0.3119, 0.4001$, and if you desaturate by 10%, it is $52.2249, 0.3127, 0.3425$.

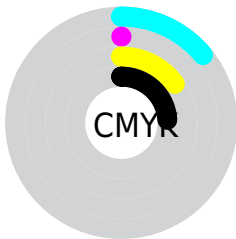
Distribution



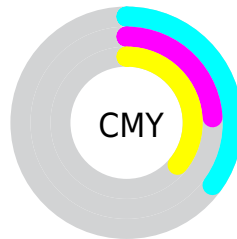
- Red (65%)
- Green (76%)
- Blue (64%)



- Red (64%)
- Yellow (76%)
- Blue (75%)



- Cyan (14%)
- Magenta (0%)
- Yellow (15%)
- Black (24%)





- Cyan (35%)
- Magenta (24%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3709, 0.3124, 0.3697 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 49.3709, 0.3124, 0.3697 by changing the saturation by 10% instead.


 49.3709, 0.3124,
0.3697


 49.3709, 0.3124,
0.3697


384.2006, 0.3128,
0.3490

 34.9138, 0.3122,
0.3750


 89.2421, 0.3126,
0.3621

 23.5965, 0.3119,
0.3818


 115.4249, 0.3127,
0.3593

 15.0346, 0.3115,
0.3909

146.2852, 0.3127,
0.3569

 8.8436, 0.3106,
0.4040

182.2071, 0.3127,
0.3549

 4.6393, 0.3090,
0.4238

223.5753, 0.3128,
0.3531

 2.0372, 0.3052,
0.4575

270.7740, 0.3128,

 0.6290, 0.2652,


0.3516


0.7348


324.1877, 0.3128,
0.3502

 0.0000, 0.0000,
0.0000


 49.3709, 0.3124,
0.3697


 49.3709, 0.3124,
0.3697


 46.9035, 0.3119,
0.4001


 52.2249, 0.3127,
0.3425

 44.8002, 0.3112,
0.4333


 55.4746, 0.3127,
0.3185

 43.0456, 0.3102,
0.4681

 59.1365, 0.3127,
0.2977

 41.6209, 0.3089,
0.5029

 63.2243, 0.3126,
0.2797

 40.5053, 0.3072,
0.5354

 67.0653, 0.3155,
0.2693

■ 39.6758, 0.3054,
0.5629

■ 39.1064, 0.3035,
0.5833

■ 38.7656, 0.3018,
0.5953

■ 38.6703, 0.3014,
0.5989

Harmonies

Analogous

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



49.3709, 0.3385, 0.3762



49.3709, 0.3124, 0.3697



49.3709, 0.2872, 0.3507

Triad

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



49.3709, 0.3124, 0.3697



49.3709, 0.2686, 0.2886



49.3709, 0.3580, 0.3297

Complementary

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



49.3709, 0.3124, 0.3697



41.6542, 0.3127, 0.2910

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.



49.3709, 0.3378, 0.3084



49.3709, 0.3124, 0.3697



49.3709, 0.2861, 0.2852

Square

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



49.3709, 0.3124, 0.3697



49.3709, 0.2626, 0.3030



49.3709, 0.3113, 0.2924



49.3709, 0.3655, 0.3517

Rectangle

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



49.3709, 0.3124, 0.3697



49.3709, 0.2741, 0.3341



49.3709, 0.3113, 0.2924



49.3709, 0.3525, 0.3223

Sweetspot

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



49.3730, 0.3124, 0.3697



94.8274, 0.3127, 0.3415



51.8512, 0.3360, 0.3645



20.6795, 0.3126, 0.3433



0.0000, 0.0000, 0.0000



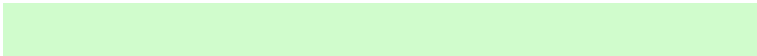
21.4041, 0.3127, 0.3290

Same Dimension

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



49.3730, 0.3124, 0.3697



87.6505, 0.3123, 0.3810



49.6526, 0.3014, 0.3518



11.2902, 0.3126, 0.3527



25.4367, 0.3017, 0.5987



1.1103, 0.3079, 0.5938

Inverse Universe

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



41.6542, 0.3127, 0.2910



70.6595, 0.3126, 0.2814



41.3582, 0.3259, 0.3072



10.2123, 0.3127, 0.3062



9.0394, 0.3044, 0.1451



0.4010, 0.3083, 0.1472

Previews

White Background



This preview shows how the Yxy color 49.3709, 0.3124, 0.3697 looks on a white background.

Color Contrast Check

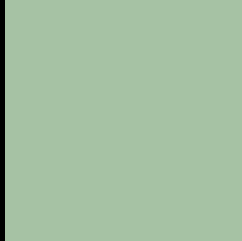
Large Text (above 18pt) WCAG AA × Fail

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 49.3709, 0.3124, 0.3697 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 49.3709, 0.3124, 0.3697

Background



This preview shows how black text looks on a background with the Yxy color 49.3709, 0.3124, 0.3697.



This preview shows how white text looks on a background with the Yxy color 49.3709, 0.3124, 0.3697.

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

49.3709, 0.3124, 0.3697

Protanopia

49.2580, 0.3413, 0.3622

Deuteranopia

48.8791, 0.3513, 0.3437



Tritanopia

49.0489, 0.2890, 0.3097

Trichromacy



Original Color

49.3709, 0.3124, 0.3697

Protanomaly

49.1587, 0.3303, 0.3657

Deuteranomaly

48.6363, 0.3367, 0.3520

Tritanomaly

49.0471, 0.2975, 0.3303

Monochromacy



Original Color

49.3709, 0.3124, 0.3697

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.4431, 0.3129, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3709, 0.3124, 0.3697 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(166, 194, 164)` looks like.

```
.text, #text, p{  
    color:rgb(166, 194, 164)  
}
```

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(166, 194, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 194, 164) }
```

Border

The CSS property to change the border of an element to Yxy 49.3709, 0.3124, 0.3697 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(166, 194, 164) }
```

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

```
.border{ border-color:rgb(166, 194, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 194, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 194, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 194, 164);  
box-shadow:4px 4px 4px 4px rgb(166, 194,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3709, 0.3124, 0.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 194, 164) }
```

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

```
.background{ background-color: rgb(166,  
194, 164) }
```

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