

Converting Colors

$Y_{xy}(49.3521, 0.3011, 0.3734)$

Have a look what the booklet for
Yxy(49.3521, 0.3011, 0.3734)
contains.

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Color

Yxy(49.4214, 0.3014, 0.3734)

Conversions

Conversions Part 1

Format	Color
Hex	99C5A5
RGB	153, 197, 165
RGB Percent	60%, 77%, 65%
CMY	0.4001, 0.2274, 0.3529
CMYK	0.22, 0.00, 0.16, 0.23
HSL	136°, 28%, 69%
HSV	136°, 22%, 77%
XYZ	39.8918, 49.4214, 43.0419
YIQ	180.1960, -15.9520, -19.2800

Conversions

Conversions Part 2

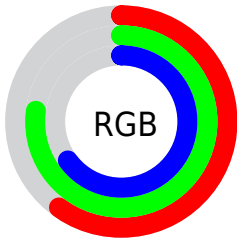
Format	Color
RYB	153, 188, 197
Decimal	10077605
CIELab	75.71, -20.96, 11.34
CIELCh	76, 23.830, 151.575
Yxy	49.4214, 0.3014, 0.3734
Android (android.graphics.Color)	4288267685 (0xFF99C5A5)
YUV	180.1960, -7.4916, -23.8509
Hunter-Lab	70.3004, -21.7361, 12.9095

Details

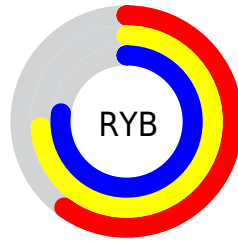
The Yxy color **49.4214, 0.3014, 0.3734** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.1463, 0.3263, 0.2884**, and the grayscale version is **45.7988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4608, 0.3037, 0.3653**, and **23.6039, 0.2979, 0.3870** is the 20% darker color. If you saturate the color by 10%, you get **47.1701, 0.2966, 0.3970**, and if you desaturate by 10%, it is **52.0517, 0.3064, 0.3521**.

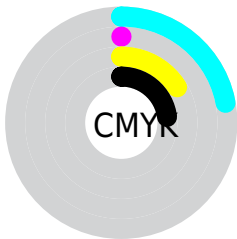
Distribution



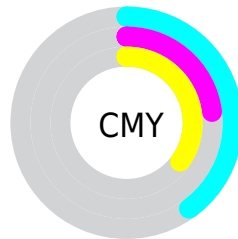
- Red (60%)
- Green (77%)
- Blue (65%)



- Red (60%)
- Yellow (74%)
- Blue (77%)



- Cyan (22%)
- Magenta (0%)
- Yellow (16%)
- Black (23%)





- Cyan (40%)
- Magenta (23%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4214, 0.3014, 0.3734 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 49.4214, 0.3014, 0.3734 by changing the saturation by 10% instead.

 49.4214, 0.3014,
0.3734

 49.4214, 0.3014,
0.3734


384.3989, 0.3073,
0.3508

 34.9539, 0.2998,
0.3792


 89.3170, 0.3036,
0.3651

 23.6273, 0.2978,
0.3867


 115.5139, 0.3044,
0.3620

 15.0574, 0.2949,
0.3969


146.3893, 0.3051,
0.3594

 8.8597, 0.2908,
0.4114

182.3277, 0.3057,
0.3571

 4.6498, 0.2842,
0.4337

223.7135, 0.3062,
0.3552

 2.0433, 0.2723,
0.4719

270.9310, 0.3066,

 0.6324, 0.1240,

0.3535

0.8760

324.3647, 0.3070,
0.3521

0.0000, 0.0000,
0.0000

49.4214, 0.3014,
0.3734

49.4214, 0.3014,
0.3734

47.1701, 0.2966,
0.3970

52.0517, 0.3064,
0.3521

45.2741, 0.2924,
0.4226

55.0710, 0.3115,
0.3331

43.7165, 0.2890,
0.4497

58.4966, 0.3166,
0.3164

42.4769, 0.2867,
0.4775

62.3432, 0.3214,
0.3018

41.5323, 0.2857,
0.5047

66.6243, 0.3261,
0.2891

■ 40.8565, 0.2863,
0.5301

■ 68.1547, 0.3183,
0.2760

■ 40.4184, 0.2885,
0.5522

■ 68.4166, 0.3154,
0.2722

■ 40.2018, 0.2907,
0.5664

Harmonies

Analogous

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



49.4214, 0.3341, 0.3870



49.4214, 0.3014, 0.3734



49.4214, 0.2728, 0.3459

Triad

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



49.4214, 0.3014, 0.3734



49.4214, 0.2643, 0.2767



49.4214, 0.3737, 0.3384

Complementary

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



49.4214, 0.3014, 0.3734



38.1463, 0.3263, 0.2884

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.



49.4214, 0.3531, 0.3117



49.4214, 0.3014, 0.3734



49.4214, 0.2892, 0.2772

Square

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



49.4214, 0.3014, 0.3734



49.4214, 0.2523, 0.2896



49.4214, 0.3217, 0.2898



49.4214, 0.3769, 0.3642

Rectangle

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



49.4214, 0.3014, 0.3734



49.4214, 0.2596, 0.3247



49.4214, 0.3217, 0.2898



49.4214, 0.3686, 0.3293

Sweetspot

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



49.4235, 0.3014, 0.3734



95.9631, 0.3091, 0.3419



52.5830, 0.3361, 0.3860



20.4692, 0.3088, 0.3430



0.0000, 0.0000, 0.0000



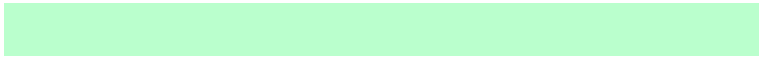
21.4041, 0.3127, 0.3290

Same Dimension

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



49.4235, 0.3014, 0.3734



86.3848, 0.2989, 0.3851



50.2827, 0.2866, 0.3428



11.9348, 0.3079, 0.3462



26.4522, 0.2900, 0.5642



1.2651, 0.2780, 0.5207

Inverse Universe

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



38.1463, 0.3263, 0.2884



62.5069, 0.3301, 0.2789



37.2983, 0.3474, 0.3157



10.7652, 0.3179, 0.3124



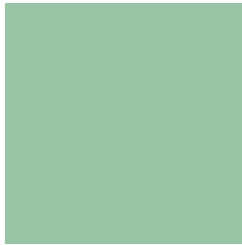
9.1290, 0.4039, 0.1998



0.4440, 0.3828, 0.1883

Previews

White Background



This preview shows how the Yxy color 49.4214, 0.3014, 0.3734 looks on a white background.

Color Contrast Check

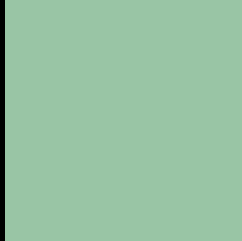
Large Text (above 18pt) WCAG AA × Fail

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 49.4214, 0.3014, 0.3734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

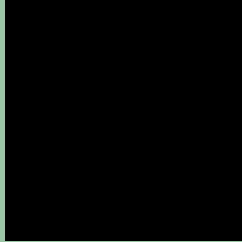
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4214, 0.3014, 0.3734

Background



This preview shows how black text looks on a background with the Yxy color 49.4214, 0.3014, 0.3734.



This preview shows how white text looks on a background with the Yxy color 49.4214, 0.3014, 0.3734.

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

49.4214, 0.3014, 0.3734

Protanopia

49.2231, 0.3421, 0.3635

Deuteranopia

48.8064, 0.3487, 0.3413



Tritanopia

49.2949, 0.2791, 0.3094

Trichromacy



Original Color

49.4214, 0.3014, 0.3734

Protanomaly

49.1034, 0.3267, 0.3674

Deuteranomaly

48.7638, 0.3295, 0.3523

Tritanomaly

49.1706, 0.2871, 0.3316

Monochromacy



Original Color

49.4214, 0.3014, 0.3734

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.7590, 0.3079, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4214, 0.3014, 0.3734 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(153, 197, 165)` looks like.

```
.text, #text, p{  
    color:rgb(153, 197, 165)  
}
```

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(153, 197, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 197, 165) }
```

Border

The CSS property to change the border of an element to Yxy 49.4214, 0.3014, 0.3734 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(153, 197, 165) }
```

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

```
.border{ border-color:rgb(153, 197, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 197, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 197, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 197, 165);  
box-shadow:4px 4px 4px 4px rgb(153, 197,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4214, 0.3014, 0.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 197, 165) }
```

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

```
.background{ background-color: rgb(153,  
197, 165) }
```

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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