

Converting Colors

$Y_{xy}(49.1291, 0.3136, 0.3687)$

Have a look what the booklet for
Yxy(49.1291, 0.3136, 0.3687)
contains.

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Color

Yxy(49.0358, 0.3133, 0.3683)

Conversions

Conversions Part 1

Format	Color
Hex	A7C1A4
RGB	167, 193, 164
RGB Percent	65%, 76%, 64%
CMY	0.3450, 0.2432, 0.3568
CMYK	0.13, 0.00, 0.15, 0.24
HSL	114°, 19%, 70%
HSV	114°, 15%, 76%
XYZ	41.7130, 49.0358, 42.3921
YIQ	181.9200, -6.1870, -14.5310

Conversions

Conversions Part 2

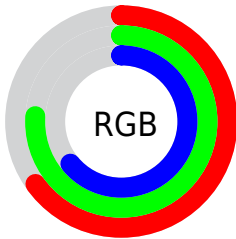
Format	Color
RYB	164, 193, 190
Decimal	10994084
CIELab	75.47, -14.31, 11.67
CIELCh	75, 18.470, 140.802
Yxy	49.0358, 0.3133, 0.3683
Android (android.graphics.Color)	4289184164 (0xFFA7C1A4)
YUV	181.9200, -8.8346, -13.0848
Hunter-Lab	70.0256, -16.2153, 13.1249

Details

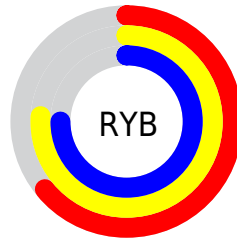
The Yxy color **49.0358, 0.3133, 0.3683** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.3477, 0.3117, 0.2920**, and the grayscale version is **46.7892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3954, 0.3131, 0.3605**, and **23.2799, 0.3136, 0.3797** is the 20% darker color. If you saturate the color by 10%, you get **46.6336, 0.3134, 0.3984**, and if you desaturate by 10%, it is **51.7996, 0.3130, 0.3413**.

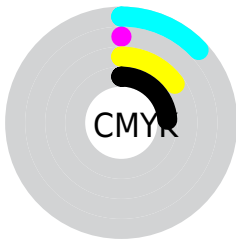
Distribution



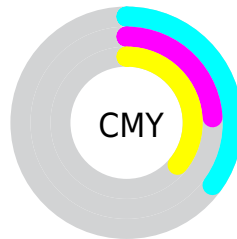
- Red (65%)
- Green (76%)
- Blue (64%)



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



- Cyan (13%)
- Magenta (0%)
- Yellow (15%)
- Black (24%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0358, 0.3133, 0.3683 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 49.0358, 0.3133, 0.3683 by changing the saturation by 10% instead.


 49.0358, 0.3133,
0.3683


 49.0358, 0.3133,
0.3683

382.8832, 0.3132,
0.3483

 34.6479, 0.3132,
0.3734


 88.7446, 0.3133,
0.3610

 23.3918, 0.3131,
0.3800


 114.8343, 0.3133,
0.3582

 14.8830, 0.3129,
0.3888


145.5934, 0.3133,
0.3560

 8.7373, 0.3123,
0.4014

181.4062, 0.3133,
0.3540

 4.5703, 0.3112,
0.4205

222.6572, 0.3133,
0.3523

 1.9974, 0.3083,
0.4532

269.7308, 0.3133,

 0.6060, 0.2721,

0.3508

0.7279

323.0114, 0.3133,
0.3495

0.0000, 0.0000,
0.0000

49.0358, 0.3133,
0.3683

49.0358, 0.3133,
0.3683

46.6336, 0.3134,
0.3984

51.7996, 0.3130,
0.3413

44.5722, 0.3132,
0.4311

54.9327, 0.3125,
0.3175

42.8378, 0.3126,
0.4655

58.4500, 0.3119,
0.2968

41.4137, 0.3116,
0.5000

62.3642, 0.3112,
0.2787

40.2814, 0.3100,
0.5323

66.3272, 0.3144,
0.2681

■ 39.4205, 0.3080,
0.5601

■ 66.6179, 0.3156,
0.2683

■ 38.8079, 0.3057,
0.5810

■ 38.4166, 0.3033,
0.5938

■ 38.2882, 0.3024,
0.5981

Harmonies

Analogous

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



49.0358, 0.3382, 0.3741



49.0358, 0.3133, 0.3683



49.0358, 0.2890, 0.3505

Triad

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



49.0358, 0.3133, 0.3683



49.0358, 0.2701, 0.2906



49.0358, 0.3556, 0.3290

Complementary

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



49.0358, 0.3133, 0.3683



41.3477, 0.3117, 0.2920

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.



49.0358, 0.3360, 0.3087



49.0358, 0.3133, 0.3683



49.0358, 0.2865, 0.2869

Square

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



49.0358, 0.3133, 0.3683



49.0358, 0.2647, 0.3047



49.0358, 0.3105, 0.2935



49.0358, 0.3633, 0.3502

Rectangle

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



49.0358, 0.3133, 0.3683



49.0358, 0.2762, 0.3347



49.0358, 0.3105, 0.2935



49.0358, 0.3502, 0.3219

Sweetspot

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



49.0379, 0.3133, 0.3683



92.7473, 0.3130, 0.3415



50.6774, 0.3356, 0.3616



19.8177, 0.3130, 0.3433



97.7402, 0.3127, 0.3290



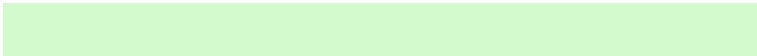
20.4902, 0.3127, 0.3290

Same Dimension

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



49.0379, 0.3133, 0.3683



86.3578, 0.3134, 0.3778



49.1314, 0.3028, 0.3531



11.3080, 0.3131, 0.3527



25.4846, 0.3028, 0.5978



1.1184, 0.3121, 0.5904

Inverse Universe

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



41.3477, 0.3117, 0.2920



69.9687, 0.3114, 0.2838



41.2638, 0.3241, 0.3061



10.1924, 0.3121, 0.3062



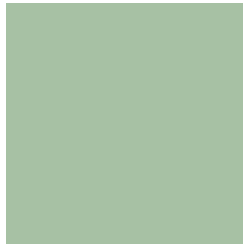
8.4796, 0.2950, 0.1399



0.3820, 0.3012, 0.1433

Previews

White Background



This preview shows how the Yxy color 49.0358, 0.3133, 0.3683 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 49.0358, 0.3133, 0.3683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

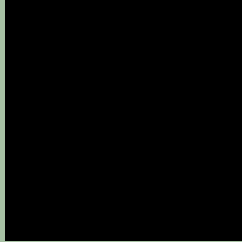
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0358, 0.3133, 0.3683

Background



This preview shows how black text looks on a background with the Yxy color 49.0358, 0.3133, 0.3683.



This preview shows how white text looks on a background with the Yxy color 49.0358, 0.3133, 0.3683.

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

49.0358, 0.3133, 0.3683

Protanopia

48.8381, 0.3415, 0.3610

Deuteranopia

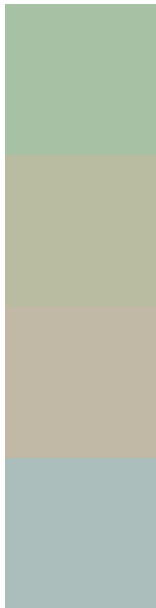
48.7319, 0.3504, 0.3438



Tritanopia

49.1149, 0.2905, 0.3110

Trichromacy



Original Color

49.0358, 0.3133, 0.3683

Protanomaly

48.8539, 0.3313, 0.3644

Deuteranomaly

48.5035, 0.3358, 0.3520

Tritanomaly

49.1157, 0.2990, 0.3316

Monochromacy



Original Color

49.0358, 0.3133, 0.3683

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.5601, 0.3137, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0358, 0.3133, 0.3683 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(167, 193, 164)` looks like.

```
.text, #text, p{  
    color:rgb(167, 193, 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(167, 193, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 193, 164) }
```

Border

The CSS property to change the border of an element to Yxy 49.0358, 0.3133, 0.3683 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(167, 193, 164) }
```

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

```
.border{ border-color:rgb(167, 193, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 193, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 193, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 193, 164);  
box-shadow:4px 4px 4px 4px rgb(167, 193,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0358, 0.3133, 0.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 193, 164) }
```

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

```
.background{ background-color: rgb(167,  
193, 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](#).

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