

Converting Colors

$Y_{xy}(49.7054, 0.3142, 0.4195)$

Have a look what the booklet for
Yxy(49.7054, 0.3142, 0.4195)
contains.

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Color

Yxy(49.6280, 0.3137, 0.4190)

Conversions

Conversions Part 1

Format	Color
Hex	91C98A
RGB	145, 201, 138
RGB Percent	57%, 79%, 54%
CMY	0.4312, 0.2118, 0.4589
CMYK	0.28, 0.00, 0.31, 0.21
HSL	113°, 37%, 66%
HSV	113°, 31%, 79%
XYZ	37.1559, 49.6280, 31.6601
YIQ	177.0740, -13.1530, -31.4650

Conversions

Conversions Part 2

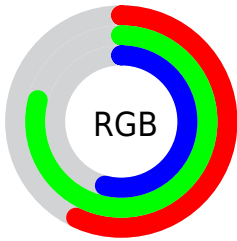
Format	Color
RYB	138, 201, 194
Decimal	9554314
CIELab	75.84, -30.27, 25.85
CIELCh	76, 39.803, 139.507
Yxy	49.6280, 0.3137, 0.4190
Android (android.graphics.Color)	4287744394 (0xFF91C98A)
YUV	177.0740, -19.2635, -28.1289
Hunter-Lab	70.4471, -29.1365, 22.6671

Details

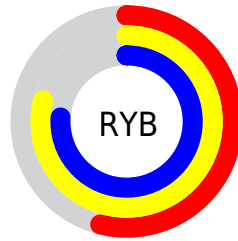
The Yxy color **49.6280, 0.3137, 0.4190** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.8518, 0.3094, 0.2502**, and the grayscale version is **44.1204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6051, 0.3143, 0.3985**, and **23.8309, 0.3118, 0.4484** is the 20% darker color. If you saturate the color by 10%, you get **47.6041, 0.3133, 0.4530**, and if you desaturate by 10%, it is **52.0186, 0.3137, 0.3871**.

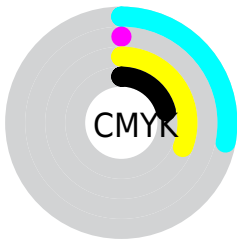
Distribution



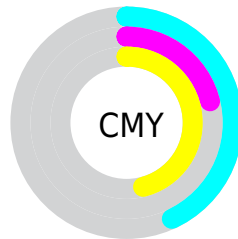
- Red (57%)
- Green (79%)
- Blue (54%)



- Red (54%)
- Yellow (79%)
- Blue (76%)



- Cyan (28%)
- Magenta (0%)
- Yellow (31%)
- Black (21%)





- Cyan (43%)
- Magenta (21%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6280, 0.3137, 0.4190 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 49.6280, 0.3137, 0.4190 by changing the saturation by 10% instead.


 49.6280, 0.3137,
0.4190

 49.6280, 0.3137,
0.4190


385.2094, 0.3145,
0.3723


 35.1179, 0.3131,
0.4311


 89.6235, 0.3143,
0.4017

 23.7537, 0.3120,
0.4469


 115.8776, 0.3144,
0.3953

 15.1510, 0.3100,
0.4683


 146.8153, 0.3145,
0.3899

 8.9254, 0.3063,
0.4987

182.8208, 0.3145,
0.3854

 4.6926, 0.2984,
0.5448

224.2785, 0.3145,
0.3814

 2.0680, 0.3001,
0.6668

271.5730, 0.3145,

 0.6466, 0.0000,

0.3780

1.0000

325.0885, 0.3145,
0.3750

0.0000, 0.0000,
0.0000

49.6280, 0.3137,
0.4190

49.6280, 0.3137,
0.4190

47.6041, 0.3133,
0.4530

52.0186, 0.3137,
0.3871

45.9228, 0.3125,
0.4877

54.7862, 0.3133,
0.3581

44.5669, 0.3112,
0.5211


57.9484, 0.3128,
0.3322


43.5150, 0.3093,
0.5507


61.5199, 0.3121,
0.3095


42.7435, 0.3070,
0.5743

65.5146, 0.3114,
0.2897

 42.2246, 0.3045,
0.5901

 69.7128, 0.3131,
0.2758

 41.9482, 0.3026,
0.5979

 70.2518, 0.3152,
0.2762

Harmonies

Analogous

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



49.6280, 0.3664, 0.4270



49.6280, 0.3137, 0.4190



49.6280, 0.2633, 0.3786

Triad

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



49.6280, 0.3137, 0.4190



49.6280, 0.2242, 0.2493



49.6280, 0.4044, 0.3242

Complementary

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



49.6280, 0.3137, 0.4190



33.8518, 0.3094, 0.2502

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.



49.6280, 0.3597, 0.2852



49.6280, 0.3137, 0.4190



49.6280, 0.2553, 0.2433

Square

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



49.6280, 0.3137, 0.4190



49.6280, 0.2146, 0.2765



49.6280, 0.3040, 0.2565



49.6280, 0.4216, 0.3669

Rectangle

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



49.6280, 0.3137, 0.4190



49.6280, 0.2375, 0.3419



49.6280, 0.3040, 0.2565



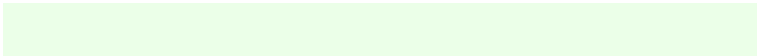
49.6280, 0.3919, 0.3105

Sweetspot

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



49.6301, 0.3137, 0.4190



94.9466, 0.3132, 0.3521



52.6777, 0.3621, 0.3983



20.1591, 0.3133, 0.3561



0.0000, 0.0000, 0.0000



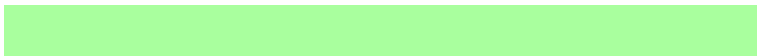
21.4041, 0.3127, 0.3290

Same Dimension

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



49.6301, 0.3137, 0.4190



82.4217, 0.3135, 0.4433



49.7877, 0.2926, 0.3843



11.9438, 0.3132, 0.3528



26.3967, 0.3031, 0.5976



1.2695, 0.3124, 0.5902

Inverse Universe

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



33.8518, 0.3094, 0.2502



50.9676, 0.3082, 0.2322



33.7585, 0.3404, 0.2797



10.7540, 0.3120, 0.3061



8.6644, 0.2931, 0.1388



0.4279, 0.2993, 0.1422

Previews

White Background



This preview shows how the Yxy color 49.6280, 0.3137, 0.4190 looks on a white background.

Color Contrast Check

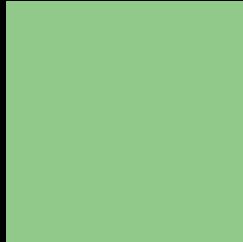
Large Text (above 18pt) WCAG AA × Fail

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 49.6280, 0.3137, 0.4190 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 49.6280, 0.3137, 0.4190

Background



This preview shows how black text looks on a background with the Yxy color 49.6280, 0.3137, 0.4190.



This preview shows how white text looks on a background with the Yxy color 49.6280, 0.3137, 0.4190.

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

49.6280, 0.3137, 0.4190

Protanopia

49.2013, 0.3697, 0.3970

Deuteranopia

49.2834, 0.3798, 0.3722



Tritanopia

49.4214, 0.2751, 0.3080

Trichromacy



Original Color

49.6280, 0.3137, 0.4190

Protanomaly

48.8066, 0.3483, 0.4048

Deuteranomaly

48.6702, 0.3538, 0.3886

Tritanomaly

49.2214, 0.2890, 0.3453

Monochromacy



Original Color

49.6280, 0.3137, 0.4190

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.7615, 0.3129, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6280, 0.3137, 0.4190 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(145, 201, 138)` looks like.

```
.text, #text, p{  
    color:rgb(145, 201, 138)  
}
```

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(145, 201, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 201, 138) }
```

Border

The CSS property to change the border of an element to Yxy 49.6280, 0.3137, 0.4190 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(145, 201, 138) }
```

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

```
.border{ border-color:rgb(145, 201, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 201, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 201, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 201, 138);  
box-shadow:4px 4px 4px 4px rgb(145, 201,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6280, 0.3137, 0.4190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 201, 138) }
```

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

```
.background{ background-color: rgb(145,  
201, 138) }
```

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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