

Converting Colors

Yxy(51.0087, 0.3215, 0.4132)

Have a look what the booklet for
Yxy(51.0087, 0.3215, 0.4132)
contains.

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Color

Yxy(50.8348, 0.3216, 0.4136)

Conversions

Conversions Part 1

Format	Color
Hex	9DC98C
RGB	157, 201, 140
RGB Percent	62%, 79%, 55%
CMY	0.3843, 0.2118, 0.4509
CMYK	0.22, 0.00, 0.30, 0.21
HSL	103°, 36%, 67%
HSV	103°, 30%, 79%
XYZ	39.5273, 50.8348, 32.5461
YIQ	180.8900, -6.6430, -28.2990

Conversions

Conversions Part 2

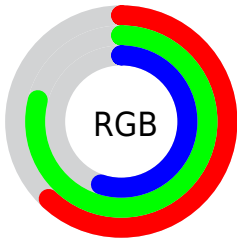
Format	Color
RYB	140, 201, 184
Decimal	10340748
CIELab	76.58, -25.83, 25.89
CIELCh	77, 36.578, 134.933
Yxy	50.8348, 0.3216, 0.4136
Android (android.graphics.Color)	4288530828 (0xFF9DC98C)
YUV	180.8900, -20.1588, -20.9515
Hunter-Lab	71.2985, -25.8137, 22.8445

Details

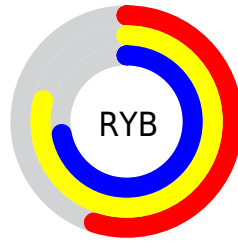
The Yxy color **50.8348, 0.3216, 0.4136** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.1701, 0.2997, 0.2505**, and the grayscale version is **46.2622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4121, 0.3207, 0.3947**, and **24.5318, 0.3221, 0.4403** is the 20% darker color. If you saturate the color by 10%, you get **48.9240, 0.3236, 0.4458**, and if you desaturate by 10%, it is **53.0314, 0.3190, 0.3832**.

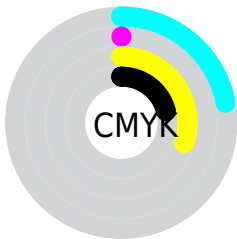
Distribution



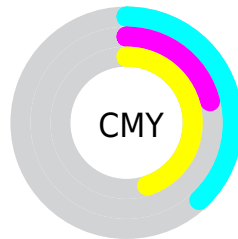
- Red (62%)
- Green (79%)
- Blue (55%)



- Red (55%)
- Yellow (79%)
- Blue (72%)



- Cyan (22%)
- Magenta (0%)
- Yellow (30%)
- Black (21%)





- Cyan (38%)
- Magenta (21%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8348, 0.3216, 0.4136 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 50.8348, 0.3216, 0.4136 by changing the saturation by 10% instead.


 50.8348, 0.3216,
0.4136

 50.8348, 0.3216,
0.4136

389.9216, 0.3183,
0.3702


 36.0772, 0.3220,
0.4247


 91.4105, 0.3207,
0.3976

 24.4938, 0.3223,
0.4392

 117.9974, 0.3203,
0.3916

 15.7003, 0.3222,
0.4586


 149.2961, 0.3199,
0.3866

 9.3123, 0.3212,
0.4859

185.6911, 0.3195,
0.3824

 4.9455, 0.3176,
0.5268

227.5668, 0.3192,
0.3787

 2.2153, 0.3225,
0.6245

275.3075, 0.3188,

 0.7283, 0.0780,

0.3755

0.9220

329.2976, 0.3186,
0.3727

0.0000, 0.0000,
0.0000

50.8348, 0.3216,
0.4136

50.8348, 0.3216,
0.4136

48.9240, 0.3236,
0.4458

53.0314, 0.3190,
0.3832

47.2805, 0.3247,
0.4785

55.5183, 0.3160,
0.3551

45.8936, 0.3246,
0.5102

58.3084, 0.3128,
0.3298


44.7494, 0.3232,
0.5389


61.4117, 0.3096,
0.3072

43.8324, 0.3204,
0.5626

64.8377, 0.3064,
0.2873

 43.1249, 0.3164,
0.5798

 68.2283, 0.3072,
0.2749

 42.6148, 0.3120,
0.5905

 70.2538, 0.3152,
0.2762

Harmonies

Analogous

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



50.8348, 0.3688, 0.4169



50.8348, 0.3216, 0.4136



50.8348, 0.2742, 0.3809

Triad

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



50.8348, 0.3216, 0.4136



50.8348, 0.2286, 0.2586



50.8348, 0.3913, 0.3192

Complementary

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



50.8348, 0.3216, 0.4136



33.1701, 0.2997, 0.2505

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.



50.8348, 0.3481, 0.2840



50.8348, 0.3216, 0.4136



50.8348, 0.2546, 0.2498

Square

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



50.8348, 0.3216, 0.4136



50.8348, 0.2230, 0.2870



50.8348, 0.2975, 0.2593



50.8348, 0.4116, 0.3586

Rectangle

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



50.8348, 0.3216, 0.4136



50.8348, 0.2487, 0.3487



50.8348, 0.2975, 0.2593



50.8348, 0.3788, 0.3066

Sweetspot

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



50.8370, 0.3216, 0.4136



95.6033, 0.3156, 0.3519



48.4776, 0.3639, 0.3843



20.3197, 0.3161, 0.3558



0.0000, 0.0000, 0.0000



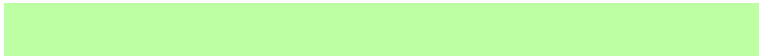
21.4041, 0.3127, 0.3290

Same Dimension

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



50.8370, 0.3216, 0.4136



84.9621, 0.3229, 0.4333



49.6585, 0.2998, 0.3973



12.0285, 0.3157, 0.3526



26.8342, 0.3129, 0.5898



1.3079, 0.3292, 0.5768

Inverse Universe

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



33.1701, 0.2997, 0.2505



50.2128, 0.2962, 0.2338



34.8009, 0.3290, 0.2692



10.6624, 0.3094, 0.3059



6.4839, 0.2520, 0.1162



0.3419, 0.2670, 0.1244

Previews

White Background



This preview shows how the Yxy color 50.8348, 0.3216, 0.4136 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 50.8348, 0.3216, 0.4136 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 50.8348, 0.3216, 0.4136

Background



This preview shows how black text looks on a background with the Yxy color 50.8348, 0.3216, 0.4136.



This preview shows how white text looks on a background with the Yxy color 50.8348, 0.3216, 0.4136.

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

50.8348, 0.3216, 0.4136

Protanopia

50.3842, 0.3691, 0.3964

Deuteranopia

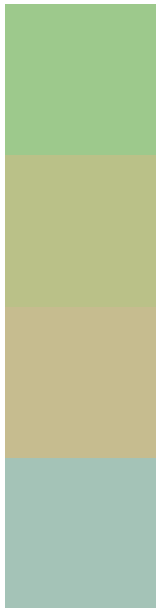
50.4335, 0.3799, 0.3730



Tritanopia

50.5782, 0.2829, 0.3085

Trichromacy



Original Color

50.8348, 0.3216, 0.4136

Protanomaly

50.3566, 0.3506, 0.4034

Deuteranomaly

49.9554, 0.3573, 0.3861

Tritanomaly

50.3416, 0.2972, 0.3449

Monochromacy



Original Color

50.8348, 0.3216, 0.4136

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.4903, 0.3163, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8348, 0.3216, 0.4136 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(157, 201, 140)` looks like.

```
.text, #text, p{  
    color:rgb(157, 201, 140)  
}
```

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(157, 201, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 201, 140) }
```

Border

The CSS property to change the border of an element to Yxy 50.8348, 0.3216, 0.4136 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(157, 201, 140) }
```

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

```
.border{ border-color:rgb(157, 201, 140) }
```

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

Here you see how a box with a 4 pixel rgb(157, 201, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 201, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 201, 140);  
box-shadow:4px 4px 4px 4px rgb(157, 201,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8348, 0.3216, 0.4136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 201, 140) }
```

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

```
.background{ background-color: rgb(157,  
201, 140) }
```

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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