

Converting Colors

Yxy(50.1134, 0.3234, 0.4109)

Have a look what the booklet for
Yxy(50.1134, 0.3234, 0.4109)
contains.

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Color

Yxy(50.1112, 0.3235, 0.4108)

Conversions

Conversions Part 1

Format	Color
Hex	9FC78C
RGB	159, 199, 140
RGB Percent	62%, 78%, 55%
CMY	0.3763, 0.2196, 0.4509
CMYK	0.20, 0.00, 0.30, 0.22
HSL	101°, 34%, 66%
HSV	101°, 30%, 78%
XYZ	39.4620, 50.1112, 32.4113
YIQ	180.3140, -4.9010, -26.8290

Conversions

Conversions Part 2

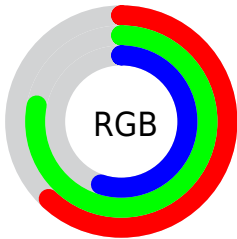
Format	Color
RYB	140, 199, 180
Decimal	10471308
CIELab	76.14, -24.14, 25.32
CIELCh	76, 34.981, 133.632
Yxy	50.1112, 0.3235, 0.4108
Android (android.graphics.Color)	4288661388 (0xFF9FC78C)
YUV	180.3140, -19.8748, -18.6924
Hunter-Lab	70.7893, -24.3752, 22.4062

Details

The Yxy color **50.1112, 0.3235, 0.4108** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.5864, 0.2976, 0.2519**, and the grayscale version is **45.9358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7112, 0.3220, 0.3944**, and **24.0362, 0.3246, 0.4366** is the 20% darker color. If you saturate the color by 10%, you get **48.2738, 0.3262, 0.4424**, and if you desaturate by 10%, it is **52.2094, 0.3202, 0.3809**.

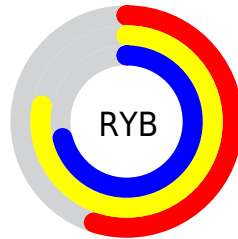
Distribution



Red (62%)

Green (78%)

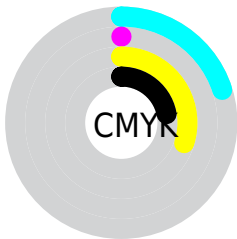
Blue (55%)



Red (55%)

Yellow (78%)

Blue (71%)

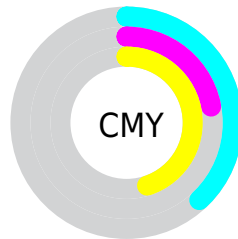


Cyan (20%)

Magenta (0%)

Yellow (30%)

Black (22%)



Cyan (38%)


Magenta (22%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1112, 0.3235, 0.4108 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 50.1112, 0.3235, 0.4108 by changing the saturation by 10% instead.


 50.1112, 0.3235,
0.4108

 50.1112, 0.3235,
0.4108


387.1006, 0.3192,
0.3688


 35.5018, 0.3242,
0.4216


 90.3396, 0.3222,
0.3953

 24.0496, 0.3249,
0.4356


 116.7274, 0.3216,
0.3896

 15.3705, 0.3253,
0.4544


 147.8100, 0.3211,
0.3847

 9.0798, 0.3250,
0.4809

183.9720, 0.3206,
0.3806

 4.7933, 0.3226,
0.5206

225.5976, 0.3202,
0.3770

 2.1265, 0.3309,
0.6182

273.0714, 0.3198,

 0.6795, 0.0769,

0.3739

0.9231

326.7776, 0.3195,
0.3712

0.0000, 0.0000,
0.0000

50.1112, 0.3235,
0.4108

50.1112, 0.3235,
0.4108

48.2738, 0.3262,
0.4424

52.2094, 0.3202,
0.3809

46.6803, 0.3280,
0.4746

54.5719, 0.3164,
0.3532

45.3214, 0.3285,
0.5058


57.2101, 0.3126,
0.3281

44.1850, 0.3275,
0.5342

60.1330, 0.3087,
0.3057

43.2573, 0.3249,
0.5580


63.3488, 0.3049,
0.2858

 42.5229, 0.3209,
0.5756

 66.5779, 0.3042,
0.2723

 41.9583, 0.3160,
0.5871

 69.0251, 0.3141,
0.2740

 41.9401, 0.3158,
0.5874

 69.3243, 0.3153,
0.2742

Harmonies

Analogous

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



50.1112, 0.3686, 0.4130



50.1112, 0.3235, 0.4108



50.1112, 0.2775, 0.3806

Triad

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



50.1112, 0.3235, 0.4108



50.1112, 0.2310, 0.2620



50.1112, 0.3868, 0.3181

Complementary

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



50.1112, 0.3235, 0.4108



32.5864, 0.2976, 0.2519

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.



50.1112, 0.3447, 0.2844



50.1112, 0.3235, 0.4108



50.1112, 0.2553, 0.2526

Square

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



50.1112, 0.3235, 0.4108



50.1112, 0.2265, 0.2903



50.1112, 0.2961, 0.2610



50.1112, 0.4074, 0.3561

Rectangle

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



50.1112, 0.3235, 0.4108



50.1112, 0.2525, 0.3501



50.1112, 0.2961, 0.2610



50.1112, 0.3745, 0.3060

Sweetspot

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



50.1134, 0.3235, 0.4108



95.7783, 0.3163, 0.3519



46.4109, 0.3636, 0.3794



20.3626, 0.3168, 0.3558



0.0000, 0.0000, 0.0000



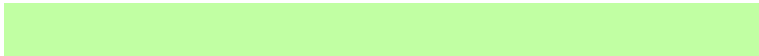
21.4041, 0.3127, 0.3290

Same Dimension

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



50.1134, 0.3235, 0.4108



85.4831, 0.3255, 0.4325



48.6189, 0.3021, 0.3999



12.0511, 0.3163, 0.3525



27.0123, 0.3167, 0.5867



1.3184, 0.3335, 0.5734

Inverse Universe

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



32.5864, 0.2976, 0.2519



49.5569, 0.2930, 0.2329



34.5853, 0.3256, 0.2672



10.6386, 0.3087, 0.3059



6.0033, 0.2416, 0.1105



0.3220, 0.2586, 0.1198

Previews

White Background



This preview shows how the Yxy color 50.1112, 0.3235, 0.4108 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 50.1112, 0.3235, 0.4108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

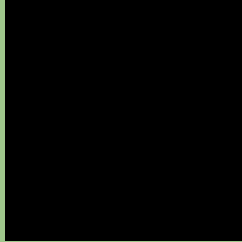
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1112, 0.3235, 0.4108

Background



This preview shows how black text looks on a background with the Yxy color 50.1112, 0.3235, 0.4108.



This preview shows how white text looks on a background with the Yxy color 50.1112, 0.3235, 0.4108.

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

50.1112, 0.3235, 0.4108

Protanopia

49.7074, 0.3669, 0.3944

Deuteranopia

49.8718, 0.3794, 0.3720



Tritanopia

50.1529, 0.2849, 0.3097

Trichromacy



Original Color

50.1112, 0.3235, 0.4108

Protanomaly

49.5068, 0.3504, 0.3998

Deuteranomaly

49.5296, 0.3576, 0.3849

Tritanomaly

49.9603, 0.2986, 0.3450

Monochromacy



Original Color

50.1112, 0.3235, 0.4108

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

47.0279, 0.3172, 0.3588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1112, 0.3235, 0.4108 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(159, 199, 140)` looks like.

```
.text, #text, p{  
    color:rgb(159, 199, 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(159, 199, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 199, 140) }
```

Border

The CSS property to change the border of an element to Yxy 50.1112, 0.3235, 0.4108 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(159, 199, 140) }
```

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

```
.border{ border-color:rgb(159, 199, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 199, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 199, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 199, 140);  
box-shadow:4px 4px 4px 4px rgb(159, 199,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1112, 0.3235, 0.4108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 199, 140) }
```

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

```
.background{ background-color: rgb(159,  
199, 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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