

Converting Colors

$Yxy(49.2073, 0.3138, 0.4158)$

Have a look what the booklet for
Yxy(49.2073, 0.3138, 0.4158)
contains.

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Color

Yxy(49.2836, 0.3138, 0.4161)

Conversions

Conversions Part 1

Format	Color
Hex	92C88B
RGB	146, 200, 139
RGB Percent	57%, 78%, 55%
CMY	0.4275, 0.2157, 0.4548
CMYK	0.27, 0.00, 0.30, 0.22
HSL	113°, 36%, 66%
HSV	113°, 30%, 78%
XYZ	37.1670, 49.2836, 31.9911
YIQ	176.9000, -12.6030, -30.4190

Conversions

Conversions Part 2

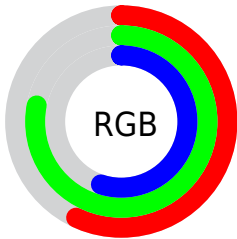
Format	Color
RYB	139, 200, 193
Decimal	9619595
CIELab	75.63, -29.31, 25.02
CIELCh	76, 38.539, 139.521
Yxy	49.2836, 0.3138, 0.4161
Android (android.graphics.Color)	4287809675 (0xFF92C88B)
YUV	176.9000, -18.6847, -27.0993
Hunter-Lab	70.2023, -28.3512, 22.1232

Details

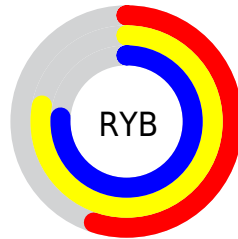
The Yxy color **49.2836, 0.3138, 0.4161** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.9904, 0.3094, 0.2524**, and the grayscale version is **44.0158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7878, 0.3144, 0.3972**, and **23.6420, 0.3130, 0.4443** is the 20% darker color. If you saturate the color by 10%, you get **47.2534, 0.3135, 0.4499**, and if you desaturate by 10%, it is **51.6767, 0.3137, 0.3845**.

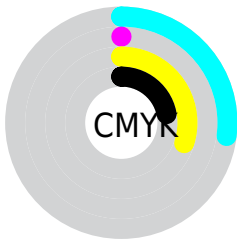
Distribution



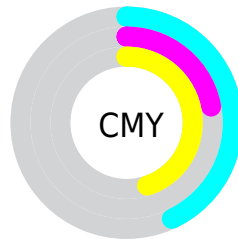
- Red (57%)
- Green (78%)
- Blue (55%)



- Red (55%)
- Yellow (78%)
- Blue (76%)



- Cyan (27%)
- Magenta (0%)
- Yellow (30%)
- Black (22%)





- Cyan (43%)
- Magenta (22%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2836, 0.3138, 0.4161 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 49.2836, 0.3138, 0.4161 by changing the saturation by 10% instead.


 49.2836, 0.3138,
0.4161


 49.2836, 0.3138,
0.4161


383.8577, 0.3144,
0.3709


 34.8445, 0.3132,
0.4278


 89.1125, 0.3143,
0.3993

 23.5431, 0.3122,
0.4431


 115.2711, 0.3144,
0.3932

 14.9951, 0.3104,
0.4639


 146.1050, 0.3145,
0.3880

 8.8159, 0.3070,
0.4934

181.9986, 0.3145,
0.3835

 4.6213, 0.2996,
0.5383

223.3363, 0.3145,
0.3797

 2.0268, 0.3012,
0.6553

270.5024, 0.3145,

 0.6230, 0.0000,

0.3764

1.0000

323.8814, 0.3145,
0.3735

■ 0.0000, 0.0000,
0.0000

■ 49.2836, 0.3138,
0.4161

■ 49.2836, 0.3138,
0.4161

■ 47.2534, 0.3135,
0.4499

■ 51.6767, 0.3137,
0.3845

■ 45.5625, 0.3127,
0.4846

■ 54.4427, 0.3133,
0.3557

■ 44.1940, 0.3114,
0.5182


■ 57.5988, 0.3127,
0.3302

■ 43.1273, 0.3096,
0.5482


■ 61.1595, 0.3120,
0.3077


■ 42.3391, 0.3073,
0.5724

■ 65.1383, 0.3113,
0.2881

 41.8029, 0.3048,
0.5889

 69.2857, 0.3133,
0.2749

 41.4915, 0.3027,
0.5979

 69.7919, 0.3152,
0.2752

Harmonies

Analogous

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



49.2836, 0.3650, 0.4241



49.2836, 0.3138, 0.4161



49.2836, 0.2648, 0.3770

Triad

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



49.2836, 0.3138, 0.4161



49.2836, 0.2265, 0.2515



49.2836, 0.4016, 0.3245

Complementary

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



49.2836, 0.3138, 0.4161



33.9904, 0.3094, 0.2524

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.



49.2836, 0.3584, 0.2864



49.2836, 0.3138, 0.4161



49.2836, 0.2570, 0.2456

Square

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



49.2836, 0.3138, 0.4161



49.2836, 0.2172, 0.2781



49.2836, 0.3044, 0.2584



49.2836, 0.4184, 0.3662

Rectangle

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



49.2836, 0.3138, 0.4161



49.2836, 0.2397, 0.3416



49.2836, 0.3044, 0.2584



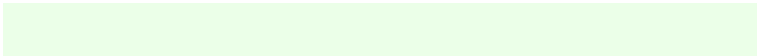
49.2836, 0.3895, 0.3111

Sweetspot

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



49.2857, 0.3138, 0.4161



94.9541, 0.3133, 0.3521



52.2381, 0.3607, 0.3964



20.1610, 0.3133, 0.3561



0.0000, 0.0000, 0.0000



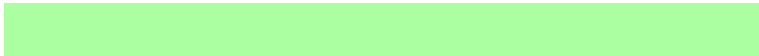
21.4041, 0.3127, 0.3290

Same Dimension

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



49.2857, 0.3138, 0.4161



82.7834, 0.3136, 0.4398



49.4266, 0.2931, 0.3825



11.9447, 0.3133, 0.3528



26.3998, 0.3031, 0.5975



1.2699, 0.3126, 0.5900

Inverse Universe

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



33.9904, 0.3094, 0.2524



51.8661, 0.3082, 0.2347



33.9144, 0.3394, 0.2811



10.7529, 0.3120, 0.3061



8.6360, 0.2926, 0.1386



0.4268, 0.2989, 0.1420

Previews

White Background



This preview shows how the Yxy color 49.2836, 0.3138, 0.4161 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 49.2836, 0.3138, 0.4161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

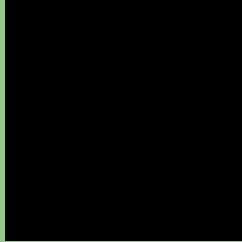
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2836, 0.3138, 0.4161

Background



This preview shows how black text looks on a background with the Yxy color 49.2836, 0.3138, 0.4161.



This preview shows how white text looks on a background with the Yxy color 49.2836, 0.3138, 0.4161.

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

49.2836, 0.3138, 0.4161

Protanopia

49.0906, 0.3679, 0.3960

Deuteranopia

48.7598, 0.3784, 0.3700



Tritanopia

49.0357, 0.2763, 0.3080

Trichromacy



Original Color

49.2836, 0.3138, 0.4161

Protanomaly

48.7142, 0.3466, 0.4037

Deuteranomaly

48.2773, 0.3533, 0.3861

Tritanomaly

48.8310, 0.2904, 0.3453

Monochromacy



Original Color

49.2836, 0.3138, 0.4161

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.4493, 0.3138, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2836, 0.3138, 0.4161 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(146, 200, 139)` looks like.

```
.text, #text, p{  
    color:rgb(146, 200, 139)  
}
```

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(146, 200, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 200, 139) }
```

Border

The CSS property to change the border of an element to Yxy 49.2836, 0.3138, 0.4161 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(146, 200, 139) }
```

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

```
.border{ border-color:rgb(146, 200, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 200, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 200, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 200, 139);  
box-shadow:4px 4px 4px 4px rgb(146, 200,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2836, 0.3138, 0.4161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 200, 139) }
```

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

```
.background{ background-color: rgb(146,  
200, 139) }
```

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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