

# Converting Colors

$Yxy(55.8477, 0.3017, 0.3872)$

Have a look what the booklet for  
Yxy(55.8477, 0.3017, 0.3872)  
contains.

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# Color

**Yxy(55.8518, 0.3014, 0.3867)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BD2A7
RGB	155, 210, 167
RGB Percent	61%, 82%, 65%
CMY	0.3924, 0.1764, 0.3451
CMYK	0.26, 0.00, 0.20, 0.18
HSL	133°, 38%, 72%
HSV	133°, 26%, 82%
XYZ	43.5318, 55.8518, 45.0483
YIQ	188.6530, -18.9770, -25.0330

# Conversions

## Conversions Part 2

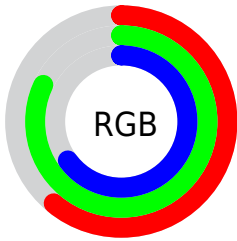
Format	Color
<a href="#">RYB</a>	<a href="#">155, 200, 210</a>
Decimal	<a href="#">10212007</a>
CIELab	<a href="#">79.53, -26.35, 15.68</a>
CIElCh	<a href="#">80, 30.663, 149.251</a>
Yxy	<a href="#">55.8518, 0.3014, 0.3867</a>
Android (android.graphics.Color)	<a href="#">4288402087</a> ( <a href="#">0xFF9BD2A7</a> )
YUV	<a href="#">188.6530, -10.6749, -29.5137</a>
Hunter-Lab	<a href="#">74.7341, -26.8103, 16.5749</a>

# Details

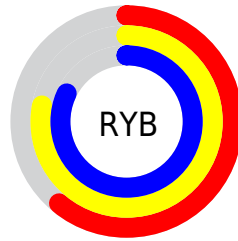
The Yxy color **55.8518, 0.3014, 0.3867** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.2035, 0.3265, 0.2775**, and the grayscale version is **50.7460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4956, 0.3038, 0.3640**, and **27.5053, 0.2973, 0.4030** is the 20% darker color. If you saturate the color by 10%, you get **53.3860, 0.2974, 0.4132**, and if you desaturate by 10%, it is **58.7606, 0.3057, 0.3626**.

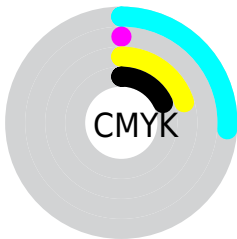
# Distribution



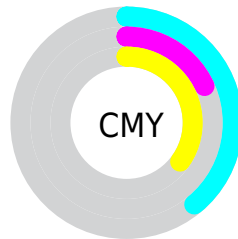
- Red (61%)
- Green (82%)
- Blue (65%)



- Red (61%)
- Yellow (78%)
- Blue (82%)



- Cyan (26%)
- Magenta (0%)
- Yellow (20%)
- Black (18%)




- Cyan (39%)
- Magenta (18%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8518, 0.3014, 0.3867 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 55.8518, 0.3014, 0.3867 by changing the saturation by 10% instead.





 55.8518, 0.3014,  
0.3867

 55.8518, 0.3014,  
0.3867


409.1328, 0.3074,  
0.3577

 40.0841, 0.2998,  
0.3940


 98.7879, 0.3037,  
0.3761

 27.6041, 0.2977,  
0.4034


 126.7250, 0.3045,  
0.3721

 18.0275, 0.2947,  
0.4160


159.4875, 0.3052,  
0.3688

 10.9697, 0.2904,  
0.4335

197.4596, 0.3058,  
0.3659

 6.0465, 0.2836,  
0.4598

241.0258, 0.3063,  
0.3634

 2.8734, 0.2713,  
0.5030

290.5705, 0.3067,


 1.0660, 0.2432,


0.3613


0.7212


346.4780, 0.3071,  
0.3593

 0.0000, 0.0000,  
0.0000


 55.8518, 0.3014,  
0.3867

 55.8518, 0.3014,  
0.3867


 53.3860, 0.2974,  
0.4132

 58.7606, 0.3057,  
0.3626


 51.3345, 0.2940,  
0.4416


 62.1253, 0.3100,  
0.3411


 49.6763, 0.2913,  
0.4711

 65.9672, 0.3143,  
0.3221

 48.3854, 0.2898,  
0.5005

 70.3041, 0.3185,  
0.3055

 47.4331, 0.2895,  
0.5281

 74.2011, 0.3189,  
0.2907

■ 46.7856, 0.2906,  
0.5524

■ 74.5806, 0.3148,  
0.2851

■ 46.4016, 0.2930,  
0.5718

■ 46.2979, 0.2938,  
0.5778

# Harmonies

## Analogous

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



55.8518, 0.3415, 0.4016



55.8518, 0.3014, 0.3867



55.8518, 0.2659, 0.3528

# Triad

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



55.8518, 0.3014, 0.3867



55.8518, 0.2517, 0.2656



55.8518, 0.3871, 0.3372

# Complementary

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



55.8518, 0.3014, 0.3867



41.2035, 0.3265, 0.2775

# 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.



55.8518, 0.3599, 0.3053



55.8518, 0.3014, 0.3867



55.8518, 0.2808, 0.2654

# Square

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



55.8518, 0.3014, 0.3867



55.8518, 0.2386, 0.2820



55.8518, 0.3202, 0.2797



55.8518, 0.3925, 0.3692



# Rectangle

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



55.8518, 0.3014, 0.3867



55.8518, 0.2491, 0.3262



55.8518, 0.3202, 0.2797



55.8518, 0.3801, 0.3262

# Sweetspot

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



55.8541, 0.3014, 0.3867



95.3502, 0.3092, 0.3449



60.4825, 0.3424, 0.3962



20.2333, 0.3085, 0.3481



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

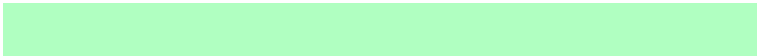


# Same Dimension

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



55.8541, 0.3014, 0.3867



84.6064, 0.2993, 0.4000



56.9774, 0.2840, 0.3492



13.2481, 0.3086, 0.3477



28.2489, 0.2932, 0.5757



1.5917, 0.2834, 0.5402



# Inverse Universe

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



41.2035, 0.3265, 0.2775



58.4456, 0.3298, 0.2672



40.0516, 0.3527, 0.3098



11.9629, 0.3171, 0.3110



10.0083, 0.3849, 0.1894



0.5709, 0.3709, 0.1817



# Previews

## White Background



This preview shows how the Yxy color 55.8518, 0.3014, 0.3867 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 55.8518, 0.3014, 0.3867 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

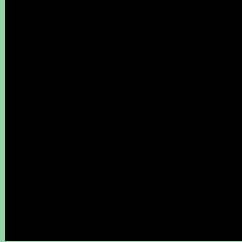
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.8518, 0.3014, 0.3867**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.8518, 0.3014, 0.3867.

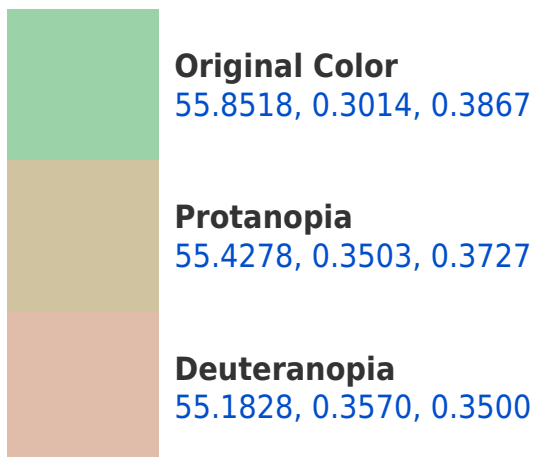


This preview shows how white text looks on a background with the Yxy color 55.8518, 0.3014, 0.3867.

# 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





## Tritanopia

55.8257, 0.2749, 0.3090

# Trichromacy



**Original Color**

55.8518, 0.3014, 0.3867

**Protanomaly**

55.2364, 0.3310, 0.3771

**Deuteranomaly**

54.9769, 0.3347, 0.3624

**Tritanomaly**

55.8898, 0.2843, 0.3366

# Monochromacy



**Original Color**

55.8518, 0.3014, 0.3867

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

52.6158, 0.3086, 0.3497

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.8518, 0.3014, 0.3867 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(155, 210, 167)` looks like.

```
.text, #text, p{  
    color:rgb(155, 210, 167)  
}
```

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(155, 210, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 210, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 55.8518, 0.3014, 0.3867 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(155, 210, 167) }
```

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

```
.border{ border-color:rgb(155, 210, 167) }
```

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

Here you see how a box with a 4 pixel rgb(155, 210, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 210, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 210, 167);  
box-shadow:4px 4px 4px 4px rgb(155, 210,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.8518, 0.3014, 0.3867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 210, 167) }
```

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

```
.background{ background-color: rgb(155,  
210, 167) }
```

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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