

# Converting Colors

$Y_{xy}(42.2802, 0.3110, 0.3887)$

Have a look what the booklet for  
Yxy(42.2802, 0.3110, 0.3887)  
contains.

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# Color

**Yxy(42.3143, 0.3108, 0.3884)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91B890
RGB	145, 184, 144
RGB Percent	57%, 72%, 56%
CMY	0.4311, 0.2785, 0.4353
CMYK	0.21, 0.00, 0.22, 0.28
HSL	118°, 22%, 64%
HSV	118°, 22%, 72%
XYZ	33.8602, 42.3143, 32.7707
YIQ	167.7790, -10.4040, -20.7080

# Conversions

## Conversions Part 2

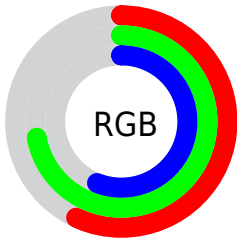
Format	Color
<a href="#">RYB</a>	<a href="#">144, 184, 183</a>
Decimal	<a href="#">9549968</a>
CIELab	<a href="#">71.09, -20.93, 16.12</a>
CIELCh	<a href="#">71, 26.415, 142.394</a>
Yxy	<a href="#">42.3143, 0.3108, 0.3884</a>
Android (android.graphics.Color)	<a href="#">4287740048 (0xFF91B890)</a>
YUV	<a href="#">167.7790, -11.7230, -19.9772</a>
Hunter-Lab	<a href="#">65.0494, -20.9220, 15.6654</a>

# Details

The Yxy color **42.3143, 0.3108, 0.3884** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.4681, 0.3142, 0.2757**, and the grayscale version is **39.1128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5395, 0.3111, 0.3765**, and **19.4026, 0.3101, 0.4090** is the 20% darker color. If you saturate the color by 10%, you get **40.2966, 0.3096, 0.4208**, and if you desaturate by 10%, it is **44.6839, 0.3118, 0.3591**.

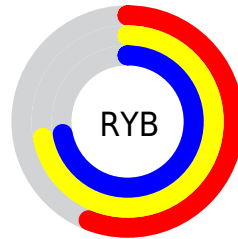
# Distribution



Red (57%)

Green (72%)

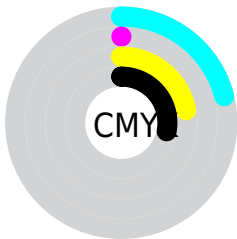
Blue (56%)



Red (56%)

Yellow (72%)

Blue (72%)

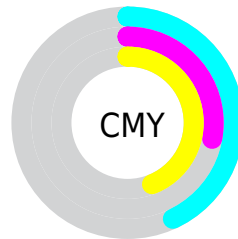


Cyan (21%)

Magenta (0%)

Yellow (22%)

Black (28%)



Cyan (43%)

Magenta (28%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3143, 0.3108, 0.3884 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 42.3143, 0.3108, 0.3884 by changing the saturation by 10% instead.





 42.3143, 0.3108,  
0.3884

 42.3143, 0.3108,  
0.3884


355.7842, 0.3123,  
0.3572

 29.3475, 0.3102,  
0.3967


 78.6751, 0.3115,  
0.3767

 19.3438, 0.3093,  
0.4077


 102.8378, 0.3117,  
0.3724

 11.9190, 0.3079,  
0.4229


131.5013, 0.3119,  
0.3688

 6.6885, 0.3053,  
0.4452

165.0500, 0.3120,  
0.3658

 3.2681, 0.3000,  
0.4809

203.8682, 0.3121,  
0.3632

 1.2732, 0.3066,  
0.5954

248.3404, 0.3122,

 0.1203, 0.0000,

0.3609

1.0000

298.8509, 0.3123,  
0.3589

0.0000, 0.0000,  
0.0000

42.3143, 0.3108,  
0.3884

42.3143, 0.3108,  
0.3884

40.2966, 0.3096,  
0.4208

44.6839, 0.3118,  
0.3591

38.6090, 0.3083,  
0.4553

47.4153, 0.3126,  
0.3332

37.2355, 0.3068,  
0.4907

50.5248, 0.3132,  
0.3105

36.1568, 0.3052,  
0.5246

54.0260, 0.3138,  
0.2909

35.3512, 0.3036,  
0.5544


57.9318, 0.3142,  
0.2741

 34.7943, 0.3022,  
0.5776

 62.2547, 0.3145,  
0.2596

 34.4571, 0.3011,  
0.5925

 62.7567, 0.3160,  
0.2595

 34.3081, 0.3006,  
0.5996

# Harmonies

## Analogous

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



42.3143, 0.3483, 0.3976



42.3143, 0.3108, 0.3884



42.3143, 0.2753, 0.3598

# Triad

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



42.3143, 0.3108, 0.3884



42.3143, 0.2506, 0.2712



42.3143, 0.3787, 0.3298

# Complementary

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



42.3143, 0.3108, 0.3884



33.4681, 0.3142, 0.2757

# 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.



42.3143, 0.3494, 0.3003



42.3143, 0.3108, 0.3884



42.3143, 0.2751, 0.2674

# Square

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



42.3143, 0.3108, 0.3884



42.3143, 0.2420, 0.2904



42.3143, 0.3109, 0.2780



42.3143, 0.3889, 0.3607



# Rectangle

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



42.3143, 0.3108, 0.3884



42.3143, 0.2572, 0.3351



42.3143, 0.3109, 0.2780



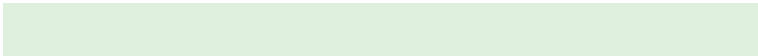
42.3143, 0.3706, 0.3195

# Sweetspot

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



42.3161, 0.3108, 0.3884



83.2131, 0.3122, 0.3467



45.9285, 0.3453, 0.3807



17.8765, 0.3121, 0.3483



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

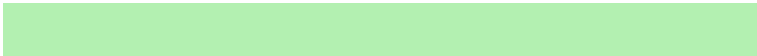


# Same Dimension

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



42.3161, 0.3108, 0.3884



74.9198, 0.3103, 0.4033



42.8390, 0.2961, 0.3601



10.0711, 0.3120, 0.3526



23.6527, 0.3007, 0.5994



0.8377, 0.3035, 0.5972



# Inverse Universe

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



33.4681, 0.3142, 0.2757



56.0536, 0.3144, 0.2640



32.8665, 0.3336, 0.2999



9.1503, 0.3134, 0.3064



9.0065, 0.3144, 0.1506



0.3213, 0.3162, 0.1516



# Previews

## White Background



This preview shows how the Yxy color 42.3143, 0.3108, 0.3884 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

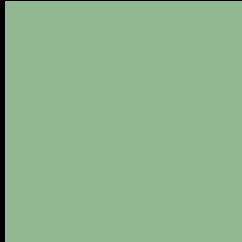
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.3143, 0.3108, 0.3884 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 42.3143, 0.3108, 0.3884**

## Background



This preview shows how black text looks on a background with the Yxy color 42.3143, 0.3108, 0.3884.



This preview shows how white text looks on a background with the Yxy color 42.3143, 0.3108, 0.3884.

# 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

42.3143, 0.3108, 0.3884

### Protanopia

41.9416, 0.3523, 0.3753

### Deuteranopia

41.9177, 0.3605, 0.3538



## Tritanopia

42.4189, 0.2815, 0.3096

# Trichromacy



**Original Color**

42.3143, 0.3108, 0.3884

**Protanomaly**

41.9134, 0.3363, 0.3798

**Deuteranomaly**

41.5774, 0.3405, 0.3648

**Tritanomaly**

42.2217, 0.2916, 0.3361

# Monochromacy



**Original Color**

42.3143, 0.3108, 0.3884

**Achromatopsia**

39.1572, 0.3127, 0.3290

**Achromatomaly**

40.2489, 0.3126, 0.3505

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.3143, 0.3108, 0.3884 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, 184, 144)` looks like.

```
.text, #text, p{  
    color:rgb(145, 184, 144)  
}
```

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, 184, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 184, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 42.3143, 0.3108, 0.3884 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, 184, 144) }
```

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

```
.border{ border-color:rgb(145, 184, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 184, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 184, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 184, 144);  
box-shadow:4px 4px 4px 4px rgb(145, 184,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.3143, 0.3108, 0.3884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 184, 144) }
```

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

```
.background{ background-color: rgb(145,  
184, 144) }
```

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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