

# Converting Colors

$Yxy(43.7851, 0.3006, 0.4092)$

Have a look what the booklet for  
Yxy(43.7851, 0.3006, 0.4092)  
contains.

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# Color

**Yxy(43.7149, 0.3007, 0.4083)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80BF8B
RGB	128, 191, 139
RGB Percent	50%, 75%, 55%
CMY	0.4979, 0.2510, 0.4550
CMYK	0.33, 0.00, 0.27, 0.25
HSL	130°, 33%, 63%
HSV	130°, 33%, 75%
XYZ	32.1946, 43.7149, 31.1561
YIQ	166.2350, -20.8560, -29.5280

# Conversions

## Conversions Part 2

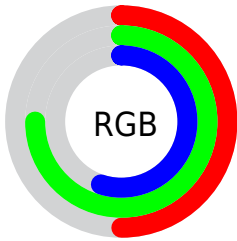
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 182, 191
Decimal	8437643
CIELab	72.04, -30.93, 20.00
CIELCh	72, 36.833, 147.120
Yxy	43.7149, 0.3007, 0.4083
Android (android.graphics.Color)	4286627723 (0xFF80BF8B)
YUV	166.2350, -13.4269, -33.5321
Hunter-Lab	66.1172, -28.7877, 18.3431

# Details

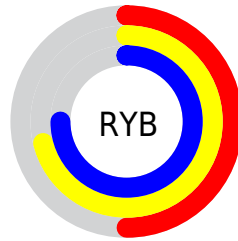
The Yxy color **43.7149, 0.3007, 0.4083** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.8202, 0.3278, 0.2610**, and the grayscale version is **38.3294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0523, 0.3036, 0.3924**, and **20.1491, 0.2953, 0.4334** is the 20% darker color. If you saturate the color by 10%, you get **41.9436, 0.2975, 0.4376**, and if you desaturate by 10%, it is **45.8353, 0.3042, 0.3812**.

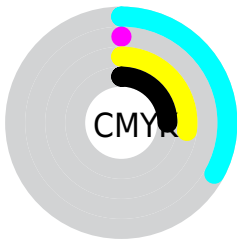
# Distribution



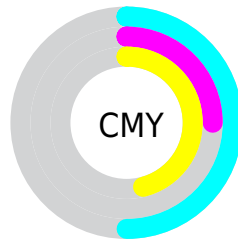
- Red (50%)
- Green (75%)
- Blue (55%)



- Red (50%)
- Yellow (71%)
- Blue (75%)



- Cyan (33%)
- Magenta (0%)
- Yellow (27%)
- Black (25%)




- Cyan (50%)
- Magenta (25%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7149, 0.3007, 0.4083 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 43.7149, 0.3007, 0.4083 by changing the saturation by 10% instead.




 43.7149, 0.3007,  
0.4083

 43.7149, 0.3007,  
0.4083


361.5436, 0.3078,  
0.3663


 30.4464, 0.2986,  
0.4195


 80.7886, 0.3035,  
0.3925

 20.1777, 0.2956,  
0.4344


 105.3626, 0.3045,  
0.3867

 12.5243, 0.2911,  
0.4551


 134.4738, 0.3053,  
0.3819

 7.1018, 0.2839,  
0.4854

168.5068, 0.3060,  
0.3778

 3.5258, 0.2710,  
0.5338

207.8459, 0.3065,  
0.3744

 1.4120, 0.2588,  
0.7144

252.8755, 0.3070,

 0.2256, 0.0000,

0.3713

1.0000

303.9799, 0.3074,  
0.3687

0.0000, 0.0000,  
0.0000

43.7149, 0.3007,  
0.4083

43.7149, 0.3007,  
0.4083

41.9436, 0.2975,  
0.4376

45.8353, 0.3042,  
0.3812

40.4973, 0.2949,  
0.4682

48.3164, 0.3079,  
0.3567

39.3576, 0.2931,  
0.4988


51.1759, 0.3116,  
0.3349


38.5019, 0.2924,  
0.5278

54.4290, 0.3152,  
0.3158


37.9045, 0.2928,  
0.5533

58.0898, 0.3186,  
0.2992

 37.5348, 0.2944,  
0.5736

 62.1718, 0.3219,  
0.2848

 37.3728, 0.2957,  
0.5844

 65.3889, 0.3197,  
0.2714

 65.7419, 0.3157,  
0.2663

# Harmonies

## Analogous

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



43.7149, 0.3524, 0.4247



43.7149, 0.3007, 0.4083



43.7149, 0.2546, 0.3637

# Triad

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



43.7149, 0.3007, 0.4083



43.7149, 0.2327, 0.2485



43.7149, 0.4083, 0.3350

# Complementary

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



43.7149, 0.3007, 0.4083



29.8202, 0.3278, 0.2610

# 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.



43.7149, 0.3708, 0.2955



43.7149, 0.3007, 0.4083



43.7149, 0.2679, 0.2475

# Square

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



43.7149, 0.3007, 0.4083



43.7149, 0.2179, 0.2697



43.7149, 0.3180, 0.2645



43.7149, 0.4171, 0.3762



# Rectangle

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



43.7149, 0.3007, 0.4083



43.7149, 0.2328, 0.3280



43.7149, 0.3180, 0.2645



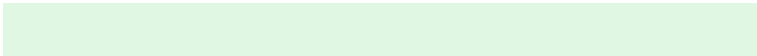
43.7149, 0.3985, 0.3213

# Sweetspot

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



43.7167, 0.3007, 0.4083



87.9040, 0.3090, 0.3503



48.5853, 0.3524, 0.4129



19.1492, 0.3085, 0.3535



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



43.7167, 0.3007, 0.4083



75.8087, 0.2982, 0.4306



44.7561, 0.2797, 0.3598



10.6760, 0.3093, 0.3485



24.5692, 0.2952, 0.5826



0.9709, 0.2838, 0.5415



# Inverse Universe

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



29.8202, 0.3278, 0.2610



46.8685, 0.3322, 0.2454



28.6932, 0.3627, 0.3005



9.6670, 0.3163, 0.3102



8.9078, 0.3698, 0.1811



0.3565, 0.3562, 0.1736



# Previews

## White Background



This preview shows how the Yxy color 43.7149, 0.3007, 0.4083 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 43.7149, 0.3007, 0.4083 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 43.7149, 0.3007, 0.4083**

## Background



This preview shows how black text looks on a background with the Yxy color 43.7149, 0.3007, 0.4083.

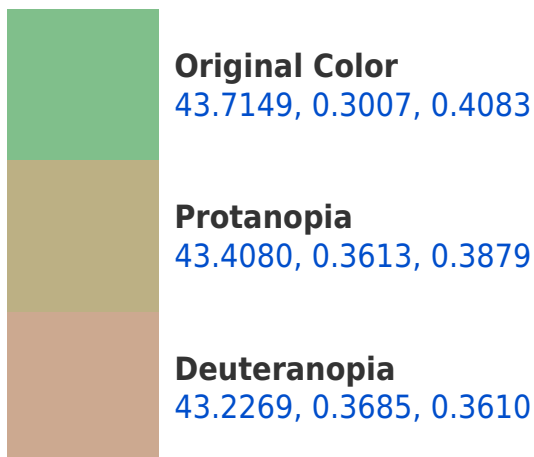


This preview shows how white text looks on a background with the Yxy color 43.7149, 0.3007, 0.4083.

# 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

43.5196, 0.2685, 0.3080

# Trichromacy



**Original Color**

43.7149, 0.3007, 0.4083

**Protanomaly**

42.9040, 0.3366, 0.3943

**Deuteranomaly**

42.6274, 0.3410, 0.3775

**Tritanomaly**

43.5264, 0.2800, 0.3419

# Monochromacy



**Original Color**

43.7149, 0.3007, 0.4083

**Achromatopsia**

38.1326, 0.3127, 0.3290

**Achromatomaly**

39.7356, 0.3079, 0.3569

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.7149, 0.3007, 0.4083 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(128, 191, 139)` looks like.

```
.text, #text, p{  
    color:rgb(128, 191, 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(128, 191, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 191, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 43.7149, 0.3007, 0.4083 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(128, 191, 139) }
```

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

```
.border{ border-color:rgb(128, 191, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 191, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 191, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 191, 139);  
box-shadow:4px 4px 4px 4px rgb(128, 191,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.7149, 0.3007, 0.4083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 191, 139) }
```

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

```
.background{ background-color: rgb(128,  
191, 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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