

# Converting Colors

$Yxy(70.1401, 0.3229, 0.4163)$

Have a look what the booklet for  
Yxy(70.1401, 0.3229, 0.4163)  
contains.

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# Color

**Yxy(70.1964, 0.3232, 0.4163)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6E8A0
RGB	182, 232, 160
RGB Percent	71%, 91%, 63%
CMY	0.2861, 0.0902, 0.3726
CMYK	0.22, 0.00, 0.31, 0.09
HSL	102°, 61%, 77%
HSV	102°, 31%, 91%
XYZ	54.4979, 70.1964, 43.9254
YIQ	208.8420, -6.6880, -32.9920

# Conversions

## Conversions Part 2

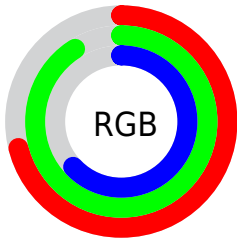
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 232, 210
Decimal	11987104
CIELab	87.09, -28.98, 29.97
CIELCh	87, 41.689, 134.043
Yxy	70.1964, 0.3232, 0.4163
Android (android.graphics.Color)	4290177184 (0xFFB6E8A0)
YUV	208.8420, -24.0791, -23.5404
Hunter-Lab	83.7833, -30.5132, 27.5641

# Details

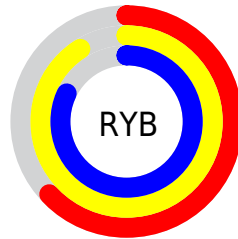
The Yxy color **70.1964, 0.3232, 0.4163** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.6552, 0.2975, 0.2474**, and the grayscale version is **63.8201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7770, 0.3259, 0.3694**, and **36.7226, 0.3242, 0.4387** is the 20% darker color. If you saturate the color by 10%, you get **67.6130, 0.3255, 0.4486**, and if you desaturate by 10%, it is **73.1626, 0.3202, 0.3856**.

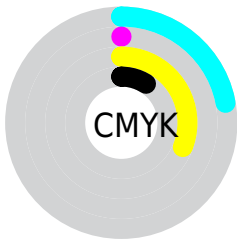
# Distribution



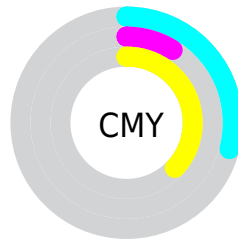
- Red (71%)
- Green (91%)
- Blue (63%)



- Red (63%)
- Yellow (91%)
- Blue (82%)



- Cyan (22%)
- Magenta (0%)
- Yellow (31%)
- Black (9%)




- Cyan (29%)
- Magenta (9%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1964, 0.3232, 0.4163 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 70.1964, 0.3232, 0.4163 by changing the saturation by 10% instead.





 70.1964, 0.3232,  
0.4163


 70.1964, 0.3232,  
0.4163


461.2393, 0.3195,  
0.3738

 51.6867, 0.3237,  
0.4265

 119.4888, 0.3222,  
0.4012

 36.7554, 0.3241,  
0.4393


 151.0402, 0.3217,  
0.3954

 25.0181, 0.3244,  
0.4558


187.7077, 0.3212,  
0.3905

 16.0906, 0.3240,  
0.4780

229.8756, 0.3208,  
0.3862

 9.5883, 0.3223,  
0.5090

277.9283, 0.3204,  
0.3825

 5.1268, 0.3170,  
0.5547


332.2502, 0.3201,

 2.3219, 0.3247,


0.3793


0.6753


393.2258, 0.3198,  
0.3764

 0.7853, 0.0471,  
0.9529

 0.0000, 0.0000,  
0.0000


 70.1964, 0.3232,  
0.4163


 70.1964, 0.3232,  
0.4163


 67.6130, 0.3255,  
0.4486

 73.1626, 0.3202,  
0.3856


 65.3873, 0.3269,  
0.4812

 76.5176, 0.3167,  
0.3572

 63.5050, 0.3270,  
0.5126

 80.2786, 0.3131,  
0.3315

 61.9474, 0.3255,  
0.5407

 84.4589, 0.3094,  
0.3085

■ 60.6933, 0.3226,  
0.5635

■ 86.1926, 0.3138,  
0.3068

■ 59.7189, 0.3182,  
0.5798

■ 59.0538, 0.3138,  
0.5891

# Harmonies

## Analogous

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



70.1964, 0.3713, 0.4186



70.1964, 0.3232, 0.4163



70.1964, 0.2745, 0.3835

# Triad

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



70.1964, 0.3232, 0.4163



70.1964, 0.2263, 0.2575



70.1964, 0.3921, 0.3177

# Complementary

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



70.1964, 0.3232, 0.4163



44.6552, 0.2975, 0.2474

# 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.



70.1964, 0.3474, 0.2821



70.1964, 0.3232, 0.4163



70.1964, 0.2523, 0.2481

# Square

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



70.1964, 0.3232, 0.4163



70.1964, 0.2213, 0.2870



70.1964, 0.2956, 0.2573



70.1964, 0.4137, 0.3579



# Rectangle

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



70.1964, 0.3232, 0.4163



70.1964, 0.2482, 0.3507



70.1964, 0.2956, 0.2573



70.1964, 0.3791, 0.3050

# Sweetspot

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



70.1994, 0.3232, 0.4163



95.7133, 0.3160, 0.3519



65.3890, 0.3665, 0.3837



20.3467, 0.3165, 0.3558



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

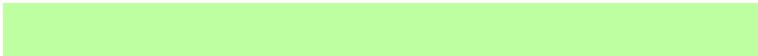


# Same Dimension

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



70.1994, 0.3232, 0.4163



84.9692, 0.3247, 0.4360



68.2086, 0.3008, 0.4031



16.3021, 0.3162, 0.3530



32.8428, 0.3148, 0.5882



2.4745, 0.3258, 0.5795



# Inverse Universe

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



44.6552, 0.2975, 0.2474



48.7737, 0.2936, 0.2304



47.3948, 0.3275, 0.2649



14.3822, 0.3089, 0.3055



7.5076, 0.2449, 0.1123

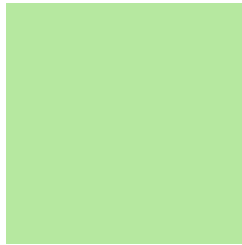


0.6031, 0.2563, 0.1186



# Previews

## White Background



This preview shows how the Yxy color 70.1964, 0.3232, 0.4163 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

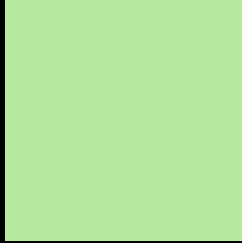
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.1964, 0.3232, 0.4163 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

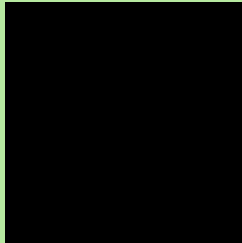
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.1964, 0.3232, 0.4163**

## Background



This preview shows how black text looks on a background with the Yxy color 70.1964, 0.3232, 0.4163.

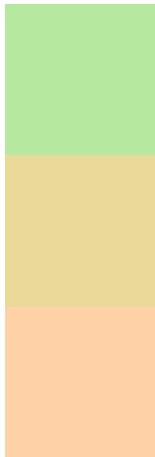


This preview shows how white text looks on a background with the Yxy color 70.1964, 0.3232, 0.4163.

# 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

70.1964, 0.3232, 0.4163

### Protanopia

69.6210, 0.3706, 0.3976

### Deuteranopia

69.6509, 0.3799, 0.3726



## Tritanopia

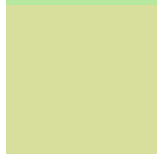
70.1359, 0.2834, 0.3089

# Trichromacy



## Original Color

70.1964, 0.3232, 0.4163



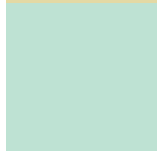
## Protanomaly

69.2418, 0.3528, 0.4042



## Deuteranomaly

68.8000, 0.3581, 0.3879



## Tritanomaly

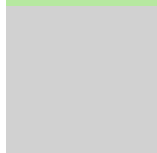
70.0430, 0.2977, 0.3464

# Monochromacy



## Original Color

70.1964, 0.3232, 0.4163



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

65.5294, 0.3171, 0.3597

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.1964, 0.3232, 0.4163 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(182, 232, 160)` looks like.

```
.text, #text, p{  
    color:rgb(182, 232, 160)  
}
```

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(182, 232, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 232, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 70.1964, 0.3232, 0.4163 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(182, 232, 160) }
```

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

```
.border{ border-color:rgb(182, 232, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 232, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 232, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 232, 160);  
box-shadow:4px 4px 4px 4px rgb(182, 232,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.1964, 0.3232, 0.4163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 232, 160) }
```

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

```
.background{ background-color: rgb(182,  
232, 160) }
```

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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