

# Converting Colors

$Yxy(70.1673, 0.3155, 0.3904)$

Have a look what the booklet for  
Yxy(70.1673, 0.3155, 0.3904)  
contains.

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# Color

**Yxy(70.3728, 0.3159, 0.3912)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBE6B2
RGB	187, 230, 178
RGB Percent	73%, 90%, 70%
CMY	0.2666, 0.0980, 0.3021
CMYK	0.19, 0.00, 0.23, 0.10
HSL	110°, 51%, 80%
HSV	110°, 23%, 90%
XYZ	56.8271, 70.3728, 52.6897
YIQ	211.2150, -8.9360, -25.2880

# Conversions

## Conversions Part 2

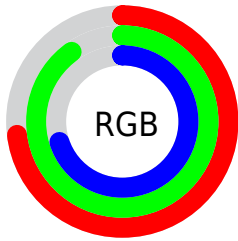
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 230, 221
Decimal	12314290
CIELab	87.18, -23.52, 20.88
CIELCh	87, 31.448, 138.406
Yxy	70.3728, 0.3159, 0.3912
Android (android.graphics.Color)	4290504370 (0xFFBBE6B2)
YUV	211.2150, -16.3750, -21.2366
Hunter-Lab	83.8885, -25.8867, 21.4824

# Details

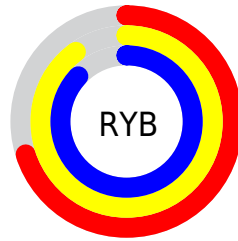
The Yxy color **70.3728, 0.3159, 0.3912** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.9056, 0.3080, 0.2716**, and the grayscale version is **65.4081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6936, 0.3180, 0.3497**, and **36.7393, 0.3159, 0.4071** is the 20% darker color. If you saturate the color by 10%, you get **67.2881, 0.3168, 0.4232**, and if you desaturate by 10%, it is **73.9355, 0.3146, 0.3618**.

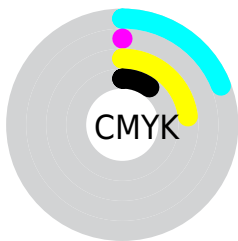
# Distribution



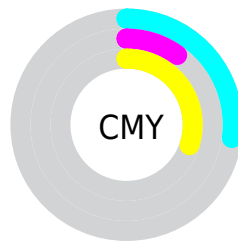
- Red (73%)
- Green (90%)
- Blue (70%)



- Red (70%)
- Yellow (90%)
- Blue (87%)



- Cyan (19%)
- Magenta (0%)
- Yellow (23%)
- Black (10%)



- Cyan (27%)
- Magenta (10%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3728, 0.3159, 0.3912 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 70.3728, 0.3159, 0.3912 by changing the saturation by 10% instead.




 70.3728, 0.3159,  
0.3912

 70.3728, 0.3159,  
0.3912


461.8579, 0.3150,  
0.3612

 51.8305, 0.3159,  
0.3984


 119.7402, 0.3157,  
0.3805

 36.8700, 0.3159,  
0.4074


151.3342, 0.3156,  
0.3764

 25.1069, 0.3157,  
0.4191


188.0475, 0.3155,  
0.3730

 16.1567, 0.3152,  
0.4348

230.2645, 0.3154,  
0.3700

 9.6351, 0.3139,  
0.4569

278.3697, 0.3153,  
0.3673

 5.1577, 0.3108,  
0.4903


332.7474, 0.3152,


 2.3401, 0.3054,

0.3650

393.7820, 0.3151,  
0.3630


0.5508


 0.7948, 0.1857,  
0.8143


 0.0000, 0.0000,  
0.0000


 70.3728, 0.3159,  
0.3912


 70.3728, 0.3159,  
0.3912


 67.2881, 0.3168,  
0.4232


 73.9355, 0.3146,  
0.3618


 64.6522, 0.3172,  
0.4571

 77.9859, 0.3131,  
0.3354

 62.4465, 0.3168,  
0.4913

 82.5449, 0.3115,  
0.3121

 60.6479, 0.3156,  
0.5239

 85.0753, 0.3138,  
0.3048

■ 59.2306, 0.3135,  
0.5525

■ 58.1659, 0.3107,  
0.5749

■ 57.4208, 0.3073,  
0.5897

■ 57.0468, 0.3049,  
0.5961

# Harmonies

## Analogous

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



70.3728, 0.3530, 0.3975



70.3728, 0.3159, 0.3912



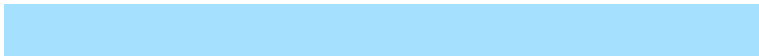
70.3728, 0.2794, 0.3645

# Triad

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



70.3728, 0.3159, 0.3912



70.3728, 0.2482, 0.2726



70.3728, 0.3760, 0.3256

# Complementary

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



70.3728, 0.3159, 0.3912



52.9056, 0.3080, 0.2716

# 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.



70.3728, 0.3447, 0.2966



70.3728, 0.3159, 0.3912



70.3728, 0.2709, 0.2667

# Square

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



70.3728, 0.3159, 0.3912



70.3728, 0.2418, 0.2939



70.3728, 0.3058, 0.2756



70.3728, 0.3892, 0.3569



# Rectangle

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



70.3728, 0.3159, 0.3912



70.3728, 0.2601, 0.3401



70.3728, 0.3058, 0.2756



70.3728, 0.3672, 0.3154

# Sweetspot

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



70.3758, 0.3159, 0.3912



96.2132, 0.3138, 0.3467



71.4664, 0.3489, 0.3757



20.5269, 0.3139, 0.3483



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

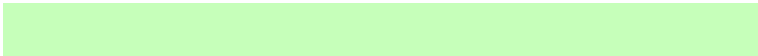


# Same Dimension

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



70.3758, 0.3159, 0.3912



87.0948, 0.3164, 0.4054



69.9716, 0.2998, 0.3717



16.2091, 0.3142, 0.3531



32.3323, 0.3055, 0.5956



2.4249, 0.3143, 0.5886



# Inverse Universe

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



52.9056, 0.3080, 0.2716



61.4595, 0.3067, 0.2596



53.4823, 0.3285, 0.2898



14.4817, 0.3110, 0.3056



9.4786, 0.2774, 0.1302



0.7339, 0.2841, 0.1339



# Previews

## White Background



This preview shows how the Yxy color 70.3728, 0.3159, 0.3912 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 70.3728, 0.3159, 0.3912 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

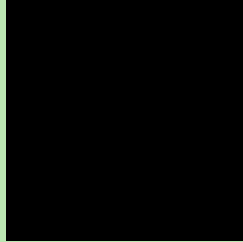
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.3728, 0.3159, 0.3912**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.3728, 0.3159, 0.3912.

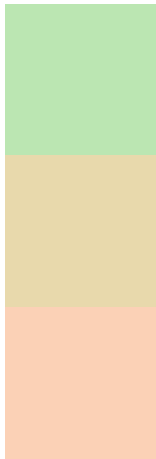


This preview shows how white text looks on a background with the Yxy color 70.3728, 0.3159, 0.3912.

# 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**

70.3728, 0.3159, 0.3912

**Protanopia**

69.7601, 0.3555, 0.3784

**Deuteranopia**

69.4876, 0.3653, 0.3574



## Tritanopia

70.3449, 0.2853, 0.3100

# Trichromacy



## Original Color

70.3728, 0.3159, 0.3912



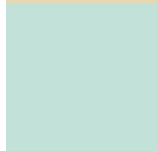
## Protanomaly

69.8975, 0.3406, 0.3835



## Deuteranomaly

69.4559, 0.3460, 0.3689



## Tritanomaly

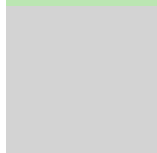
70.1976, 0.2960, 0.3381

# Monochromacy



## Original Color

70.3728, 0.3159, 0.3912



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

66.8229, 0.3138, 0.3511

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.3728, 0.3159, 0.3912 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(187, 230, 178)` looks like.

```
.text, #text, p{  
    color:rgb(187, 230, 178)  
}
```

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(187, 230, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 230, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 70.3728, 0.3159, 0.3912 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(187, 230, 178) }
```

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

```
.border{ border-color:rgb(187, 230, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 230, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 230, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 230, 178);  
box-shadow:4px 4px 4px 4px rgb(187, 230,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.3728, 0.3159, 0.3912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 230, 178) }
```

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

```
.background{ background-color: rgb(187,  
230, 178) }
```

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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