

# Converting Colors

$Yxy(75.1107, 0.3249, 0.4058)$

Have a look what the booklet for  
Yxy(75.1107, 0.3249, 0.4058)  
contains.

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# Color

**Yxy(75.1107, 0.3249, 0.4058)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3EDAB
RGB	195, 237, 171
RGB Percent	76%, 93%, 67%
CMY	0.2353, 0.0706, 0.3295
CMYK	0.18, 0.00, 0.28, 0.07
HSL	98°, 65%, 80%
HSV	98°, 28%, 93%
XYZ	60.1367, 75.1107, 49.8455
YIQ	216.9180, -3.8460, -29.4300

# Conversions

## Conversions Part 2

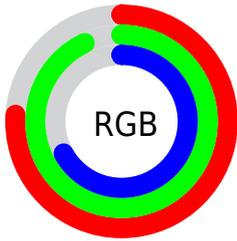
Format	Color
<a href="#">RYB</a>	<a href="#">171, 237, 213</a>
Decimal	<a href="#">12840363</a>
CIELab	<a href="#">89.44, -25.26, 27.66</a>
CIElCh	<a href="#">89, 37.459, 132.403</a>
Yxy	<a href="#">75.1107, 0.3249, 0.4058</a>
Android (android.graphics.Color)	<a href="#">4291030443</a> ( <a href="#">0xFFC3EDAB</a> )
YUV	<a href="#">216.9180, -22.6376, -19.2221</a>
Hunter-Lab	<a href="#">86.6664, -27.8075, 26.5663</a>

# Details

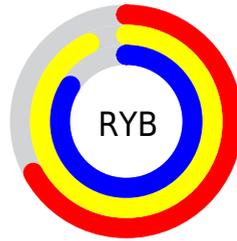
The Yxy color **75.1107, 0.3249, 0.4058** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **49.3796, 0.2964, 0.2554**, and the grayscale version is **69.4882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7615, 0.3272, 0.3563**, and **39.9312, 0.3264, 0.4258** is the 20% darker color. If you saturate the color by 10%, you get **72.3812, 0.3284, 0.4371**, and if you desaturate by 10%, it is **78.2117, 0.3208, 0.3761**.

# Distribution



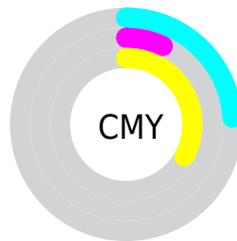
- Red (76%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (84%)



- Cyan (18%)
- Magenta (0%)
- Yellow (28%)
- Black (7%)



- Cyan (24%)
- Magenta (7%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.1107, 0.3249, 0.4058 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 75.1107, 0.3249, 0.4058 by changing the saturation by 10% instead.

 75.1107, 0.3249,  
0.4058

 75.1107, 0.3249,  
0.4058

478.2980, 0.3202,  
0.3691

 55.7036, 0.3257,  
0.4145

 126.4690, 0.3235,  
0.3928

 39.9653, 0.3266,  
0.4253

159.1891, 0.3228,  
0.3879

 27.5115, 0.3275,  
0.4391

197.1155, 0.3223,  
0.3836

 17.9577, 0.3282,  
0.4575

240.6328, 0.3218,  
0.3799

 10.9197, 0.3283,  
0.4830

290.1253, 0.3213,  
0.3767

 6.0128, 0.3266,  
0.5200

345.9774, 0.3209,

 2.8529, 0.3258,

0.3738

408.5735, 0.3205,  
0.3713

0.5895

1.0554, 0.2633,  
0.7367

0.0000, 0.0000,  
0.0000

75.1107, 0.3249,  
0.4058

75.1107, 0.3249,  
0.4058

72.3812, 0.3284,  
0.4371

78.2117, 0.3208,  
0.3761

69.9987, 0.3309,  
0.4691

81.6883, 0.3163,  
0.3487

67.9509, 0.3321,  
0.5003

85.5565, 0.3117,  
0.3239

66.2205, 0.3317,  
0.5288

89.0537, 0.3135,  
0.3117

■ 64.7887, 0.3295,  
0.5530

■ 63.6339, 0.3255,  
0.5711

■ 62.7290, 0.3203,  
0.5828

■ 62.5607, 0.3191,  
0.5848

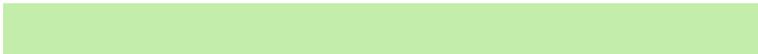
# Harmonies

## Analogous

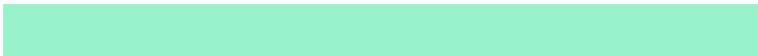
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.1107, 0.3668, 0.4072



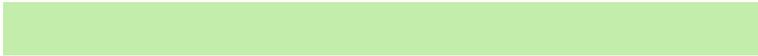
75.1107, 0.3249, 0.4058



75.1107, 0.2815, 0.3786

# Triad

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



75.1107, 0.3249, 0.4058



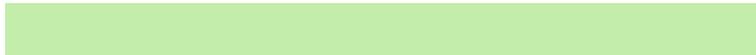
75.1107, 0.2352, 0.2670



75.1107, 0.3807, 0.3175

# Complementary

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



75.1107, 0.3249, 0.4058



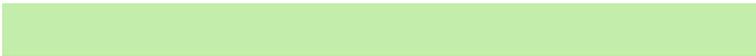
49.3796, 0.2964, 0.2554

# 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.



75.1107, 0.3409, 0.2859



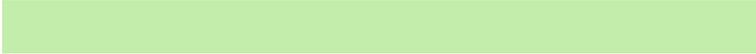
75.1107, 0.3249, 0.4058



75.1107, 0.2576, 0.2571

# Square

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



75.1107, 0.3249, 0.4058



75.1107, 0.2318, 0.2945



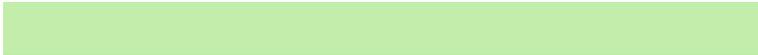
75.1107, 0.2955, 0.2643



75.1107, 0.4010, 0.3534

# Rectangle

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



75.1107, 0.3249, 0.4058



75.1107, 0.2576, 0.3507



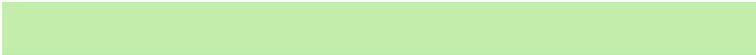
75.1107, 0.2955, 0.2643



75.1107, 0.3690, 0.3062

# Sweetspot

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



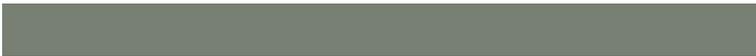
75.1139, 0.3249, 0.4058



96.3754, 0.3164, 0.3492



68.4329, 0.3614, 0.3746



20.4896, 0.3171, 0.3532



0.0000, 0.0000, 0.0000

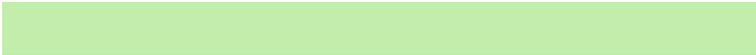


21.4041, 0.3127, 0.3290

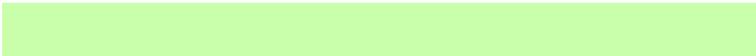


# Same Dimension

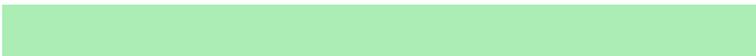
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1139, 0.3249, 0.4058



86.9342, 0.3268, 0.4222



72.5160, 0.3039, 0.3985



17.1287, 0.3170, 0.3530



34.2205, 0.3203, 0.5839



2.7399, 0.3310, 0.5754



# Inverse Universe

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



49.3796, 0.2964, 0.2554



52.2008, 0.2924, 0.2406



52.7374, 0.3230, 0.2682



15.0241, 0.3080, 0.3054



6.9979, 0.2315, 0.1049



0.6036, 0.2439, 0.1117



# Previews

## White Background



This preview shows how the Yxy color 75.1107, 0.3249, 0.4058 looks on a white background.

## Color Contrast Check

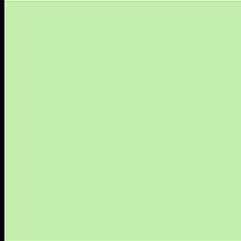
Large Text (above 18pt) WCAG AA × Fail

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 75.1107, 0.3249, 0.4058 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

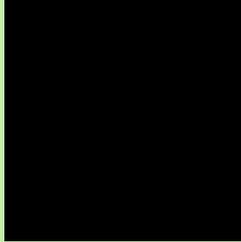
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.1107, 0.3249, 0.4058**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.1107, 0.3249, 0.4058.

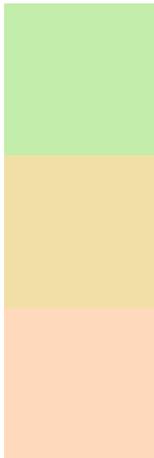


This preview shows how white text looks on a background with the Yxy color 75.1107, 0.3249, 0.4058.

# 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**

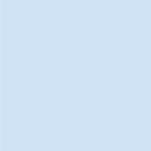
75.1107, 0.3249, 0.4058

**Protanopia**

74.7287, 0.3654, 0.3917

**Deuteranopia**

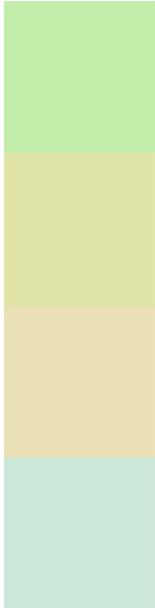
74.4736, 0.3625, 0.3599



## Tritanopia

74.7961, 0.2884, 0.3095

# Trichromacy



**Original Color**

75.1107, 0.3249, 0.4058

**Protanomaly**

74.6759, 0.3498, 0.3974

**Deuteranomaly**

73.9711, 0.3483, 0.3756

**Tritanomaly**

74.9103, 0.3020, 0.3435

# Monochromacy



**Original Color**

75.1107, 0.3249, 0.4058

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

71.0367, 0.3178, 0.3562

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.1107, 0.3249, 0.4058 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(195, 237, 171)` looks like.

```
.text, #text, p{  
    color:rgb(195, 237, 171)  
}
```

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(195, 237, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 237, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 75.1107, 0.3249, 0.4058 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(195, 237, 171) }
```

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

```
.border{ border-color:rgb(195, 237, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 237, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 237, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 237, 171);  
box-shadow:4px 4px 4px 4px rgb(195, 237,  
171) }
```

# Background

The CSS property to change the background color of an element to Yxy 75.1107, 0.3249, 0.4058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 237, 171) }
```

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

```
.background{ background-color: rgb(195,  
237, 171) }
```

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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