

# Converting Colors

$Yxy(77.3769, 0.3039, 0.3824)$

Have a look what the booklet for  
Yxy(77.3769, 0.3039, 0.3824)  
contains.

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# Color

**Yxy(77.1650, 0.3039, 0.3824)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9F1C3
RGB	185, 241, 195
RGB Percent	73%, 95%, 76%
CMY	0.2743, 0.0549, 0.2352
CMYK	0.23, 0.00, 0.19, 0.05
HSL	131°, 67%, 84%
HSV	131°, 23%, 95%
XYZ	61.3244, 77.1650, 63.3019
YIQ	219.0120, -18.6100, -26.1780

# Conversions

## Conversions Part 2

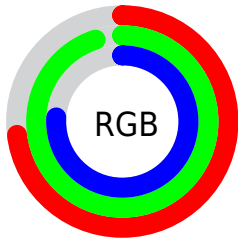
<b>Format</b>	<b>Color</b>
<b>RYB</b>	185, 233, 241
Decimal	12186051
CIELab	90.40, -26.56, 16.52
CIELCh	90, 31.278, 148.116
Yxy	77.1650, 0.3039, 0.3824
Android (android.graphics.Color)	4290376131 (0xFFB9F1C3)
YUV	219.0120, -11.8379, -29.8285
Hunter-Lab	87.8436, -29.1139, 18.7649

# Details

The Yxy color **77.1650, 0.3039, 0.3824** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.1917, 0.3230, 0.2809**, and the grayscale version is **70.9501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4255, 0.3064, 0.3319**, and **41.4463, 0.3016, 0.3966** is the 20% darker color. If you saturate the color by 10%, you get **73.5821, 0.3003, 0.4099**, and if you desaturate by 10%, it is **81.3813, 0.3077, 0.3576**.

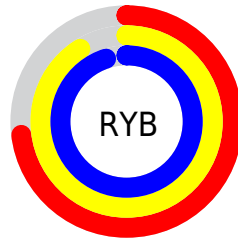
# Distribution



Red (73%)

Green (95%)

Blue (76%)



Red (73%)

Yellow (91%)

Blue (95%)

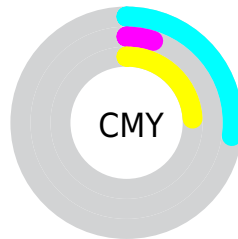


Cyan (23%)

Magenta (0%)

Yellow (19%)

Black (5%)



Cyan (27%)

Magenta (5%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1650, 0.3039, 0.3824 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 77.1650, 0.3039, 0.3824 by changing the saturation by 10% instead.




 77.1650, 0.3039,  
0.3824

 77.1650, 0.3039,  
0.3824

485.3264, 0.3084,  
0.3570

 57.3883, 0.3028,  
0.3884


 129.3724, 0.3055,  
0.3735

 41.3171, 0.3013,  
0.3958


162.5718, 0.3062,  
0.3700

 28.5669, 0.2994,  
0.4054


201.0143, 0.3067,  
0.3671

 18.7535, 0.2967,  
0.4181

245.0843, 0.3071,  
0.3645

 11.4923, 0.2928,  
0.4358

295.1661, 0.3075,  
0.3623

 6.3990, 0.2865,  
0.4621

351.6441, 0.3078,

 3.0892, 0.2751,

0.3603

0.5050

414.9028, 0.3081,  
0.3586

■ 1.1785, 0.2588,  
0.6842

■ 0.0440, 0.0000,  
1.0000

■ 77.1650, 0.3039,  
0.3824

■ 77.1650, 0.3039,  
0.3824

■ 73.5821, 0.3003,  
0.4099

■ 81.3813, 0.3077,  
0.3576

■ 70.5926, 0.2970,  
0.4396

■ 86.2494, 0.3115,  
0.3355

■ 68.1669, 0.2944,  
0.4705

■ 91.3500, 0.3137,  
0.3161

■ 66.2692, 0.2927,  
0.5014

■ 91.3861, 0.3133,  
0.3156

■ 64.8592, 0.2921,  
0.5304

■ 63.8908, 0.2927,  
0.5557

■ 63.3086, 0.2945,  
0.5755

■ 63.0800, 0.2960,  
0.5855

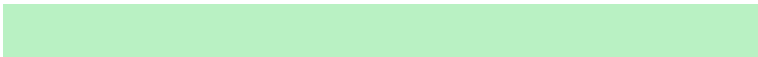
# Harmonies

## Analogous

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



77.1650, 0.3407, 0.3953



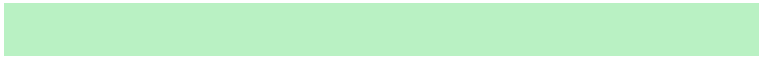
77.1650, 0.3039, 0.3824



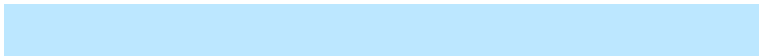
77.1650, 0.2708, 0.3522

# Triad

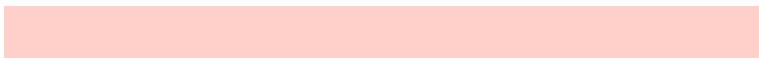
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.1650, 0.3039, 0.3824



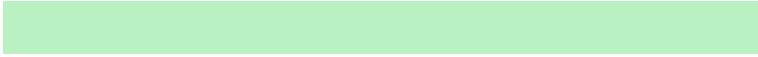
77.1650, 0.2559, 0.2710



77.1650, 0.3801, 0.3356

# Complementary

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



77.1650, 0.3039, 0.3824



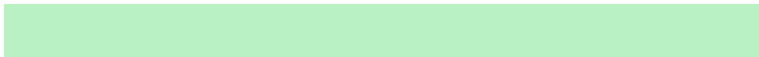
59.1917, 0.3230, 0.2809

# 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.



77.1650, 0.3547, 0.3062



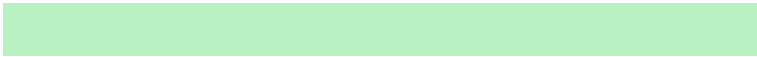
77.1650, 0.3039, 0.3824



77.1650, 0.2822, 0.2701

# Square

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



77.1650, 0.3039, 0.3824



77.1650, 0.2443, 0.2869



77.1650, 0.3183, 0.2828

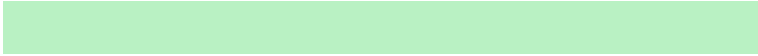


77.1650, 0.3860, 0.3652



# Rectangle

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



77.1650, 0.3039, 0.3824



77.1650, 0.2550, 0.3280



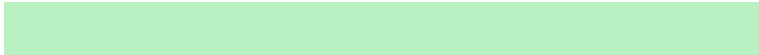
77.1650, 0.3183, 0.2828



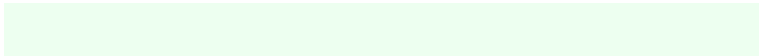
77.1650, 0.3735, 0.3255

# Sweetspot

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



77.1683, 0.3039, 0.3824



95.8612, 0.3101, 0.3436



83.5118, 0.3412, 0.3883



20.4457, 0.3098, 0.3449



0.0000, 0.0000, 0.0000

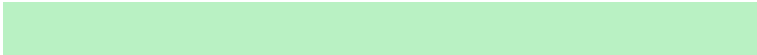


21.4041, 0.3127, 0.3290

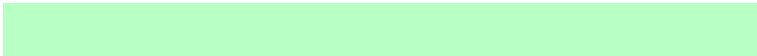


# Same Dimension

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



77.1683, 0.3039, 0.3824



85.6610, 0.3021, 0.3955



78.5198, 0.2884, 0.3500



17.7024, 0.3091, 0.3490



34.2232, 0.2954, 0.5834



2.8599, 0.2893, 0.5613



# Inverse Universe

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



59.1917, 0.3230, 0.2809



61.8028, 0.3256, 0.2706



57.7658, 0.3450, 0.3090



15.9803, 0.3165, 0.3098



12.3720, 0.3718, 0.1822

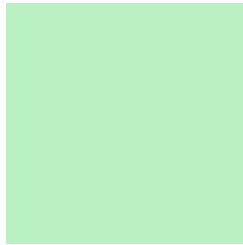


1.0417, 0.3639, 0.1778



# Previews

## White Background



This preview shows how the Yxy color 77.1650, 0.3039, 0.3824 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

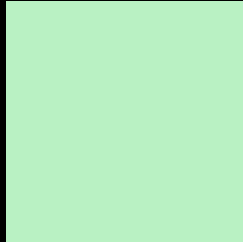
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.1650, 0.3039, 0.3824 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

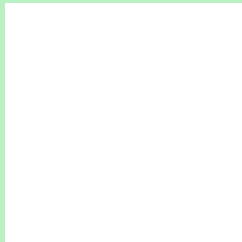
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.1650, 0.3039, 0.3824**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.1650, 0.3039, 0.3824.

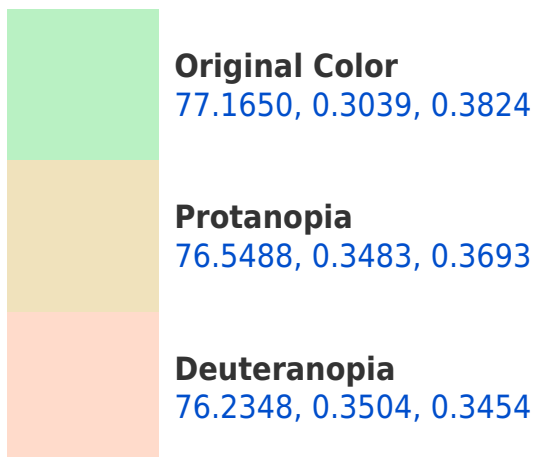


This preview shows how white text looks on a background with the Yxy color 77.1650, 0.3039, 0.3824.

# 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

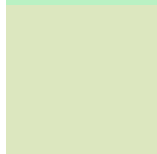
76.9082, 0.2775, 0.3084

# Trichromacy



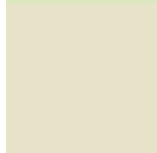
## Original Color

77.1650, 0.3039, 0.3824



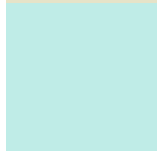
## Protanomaly

76.1291, 0.3308, 0.3731



## Deuteranomaly

75.9313, 0.3326, 0.3581



## Tritanomaly

76.8368, 0.2869, 0.3345

# Monochromacy



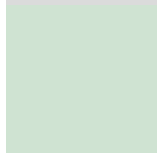
## Original Color

77.1650, 0.3039, 0.3824



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

72.8567, 0.3098, 0.3481

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.1650, 0.3039, 0.3824 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(185, 241, 195)` looks like.

```
.text, #text, p{  
    color:rgb(185, 241, 195)  
}
```

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(185, 241, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 241, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 77.1650, 0.3039, 0.3824 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(185, 241, 195) }
```

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

```
.border{ border-color:rgb(185, 241, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 241, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 241, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 241, 195);  
box-shadow:4px 4px 4px 4px rgb(185, 241,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.1650, 0.3039, 0.3824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 241, 195) }
```

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

```
.background{ background-color: rgb(185,  
241, 195) }
```

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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