

Converting Colors

$Yxy(77.1650, 0.3039, 0.3824)$

Have a look what the booklet for
Yxy(77.1650, 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

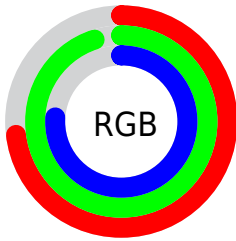
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 185, 233, 241 |
| Decimal | 12186051 |
| CIELab | 90.40, -26.56, 16.52 |
| CIELCh | 90, 31.278, 148.116 |
| Yxy | 77.1650, 0.3039, 0.3824 |
| Android (android.graphics.Color) | 4290376131 (0xFFB9F1C3)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

Details

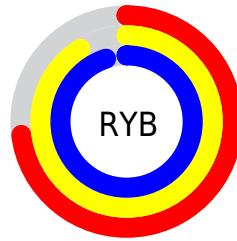
The Yxy color **77.1650, 0.3039, 0.3824** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.1917, 0.3230, 0.2809**, and the grayscale version is **70.9501, 0.3127, 0.3290**.

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



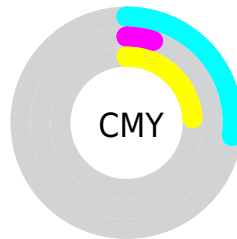
- Red (73%)
- Green (95%)
- Blue (76%)



- 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

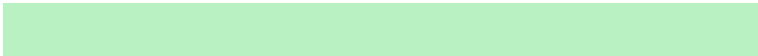
Harmonies

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



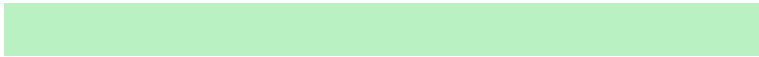
77.1650, 0.3039, 0.3824



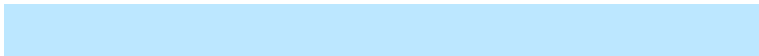
77.1650, 0.2708, 0.3522

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



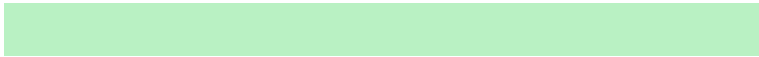
77.1650, 0.2559, 0.2710



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



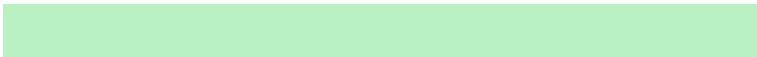
59.1917, 0.3230, 0.2809

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



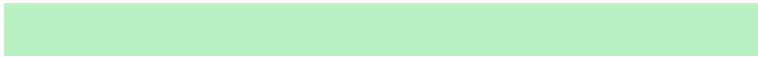
77.1650, 0.3039, 0.3824



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



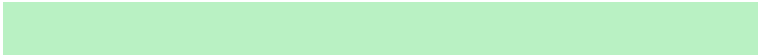
77.1650, 0.3183, 0.2828



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



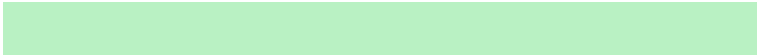
77.1650, 0.3183, 0.2828



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



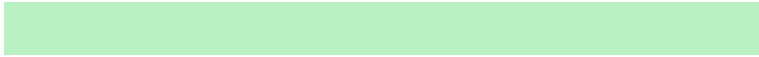
0.0000, 0.0000, 0.0000



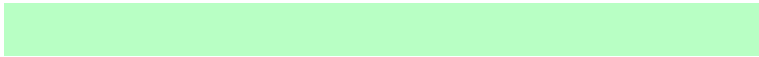
21.4041, 0.3127, 0.3290

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



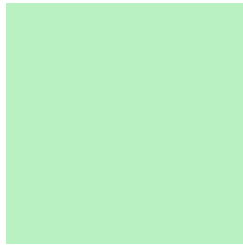
12.3720, 0.3718, 0.1822



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

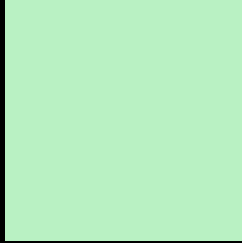
Large Text (above 18pt) WCAG AA × Fail

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

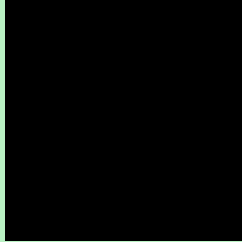
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

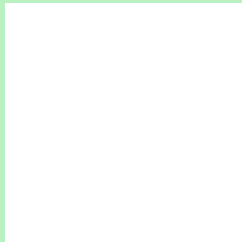
If you want to check with other color combinations, try the [Color Contrast Checker](#).

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.

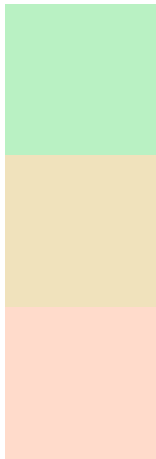


This preview shows how white text looks on a background with the Yxy color 77.1650, 0.3039, 0.3824.

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

**Original Color**

77.1650, 0.3039, 0.3824

Protanopia

76.5488, 0.3483, 0.3693

Deuteranopia

76.2348, 0.3504, 0.3454



Tritanopia

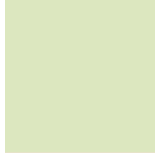
76.9082, 0.2775, 0.3084

Trichromacy



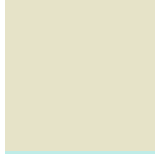
Original Color

77.1650, 0.3039, 0.3824



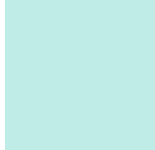
Protanomaly

76.1291, 0.3308, 0.3731



Deuteranomaly

75.9313, 0.3326, 0.3581



Tritanomaly

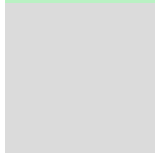
76.8368, 0.2869, 0.3345

Monochromacy



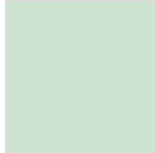
Original Color

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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