

Converting Colors

$Yxy(77.2126, 0.3012, 0.3902)$

Have a look what the booklet for
Yxy(77.2126, 0.3012, 0.3902)
contains.

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Color

Yxy(77.2099, 0.3012, 0.3902)

Conversions

Conversions Part 1

Format	Color
Hex	B1F3BF
RGB	177, 243, 191
RGB Percent	69%, 95%, 75%
CMY	0.3056, 0.0471, 0.2509
CMYK	0.27, 0.00, 0.21, 0.05
HSL	133°, 73%, 82%
HSV	133°, 27%, 95%
XYZ	59.5992, 77.2099, 61.0635
YIQ	217.3380, -22.6440, -30.1640

Conversions

Conversions Part 2

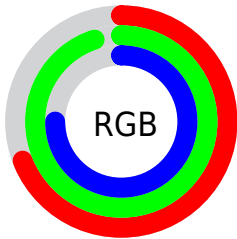
Format	Color
RYB	177, 231, 243
Decimal	11662271
CIELab	90.42, -30.74, 18.55
CIElCh	90, 35.901, 148.892
Yxy	77.2099, 0.3012, 0.3902
Android (android.graphics.Color)	4289852351 (0xFFB1F3BF)
YUV	217.3380, -12.9846, -35.3764
Hunter-Lab	87.8692, -32.6994, 20.3056

Details

The Yxy color **77.2099, 0.3012, 0.3902** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.1838, 0.3269, 0.2747**, and the grayscale version is **69.7463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7278, 0.3044, 0.3369**, and **41.5577, 0.2983, 0.4070** is the 20% darker color. If you saturate the color by 10%, you get **73.8187, 0.2973, 0.4174**, and if you desaturate by 10%, it is **81.2260, 0.3054, 0.3654**.

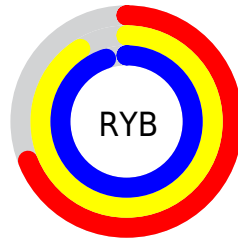
Distribution



Red (69%)

Green (95%)

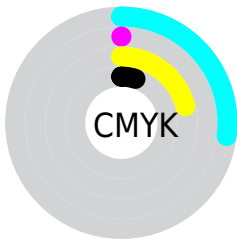
Blue (75%)



Red (69%)

Yellow (91%)

Blue (95%)

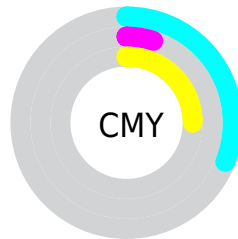


Cyan (27%)

Magenta (0%)

Yellow (21%)

Black (5%)



Cyan (31%)


Magenta (5%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2099, 0.3012, 0.3902 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 77.2099, 0.3012, 0.3902 by changing the saturation by 10% instead.

 77.2099, 0.3012,
0.3902

 77.2099, 0.3012,
0.3902


485.4794, 0.3071,
0.3610

 57.4252, 0.2997,
0.3971

 129.4357, 0.3033,
0.3799

 41.3467, 0.2978,
0.4057

162.6456, 0.3042,
0.3759

 28.5901, 0.2953,
0.4168


201.0993, 0.3048,
0.3725

 18.7709, 0.2918,
0.4316

245.1813, 0.3054,
0.3696

 11.5049, 0.2866,
0.4523

295.2759, 0.3059,
0.3670

 6.4075, 0.2784,
0.4831


351.7675, 0.3063,


 3.0944, 0.2636,


0.3648

0.5333


415.0405, 0.3067,
0.3628


 1.1812, 0.2265,
0.7735


 0.0463, 0.0000,
1.0000


 77.2099, 0.3012,
0.3902


 77.2099, 0.3012,
0.3902


 73.8187, 0.2973,
0.4174


 81.2260, 0.3054,
0.3654


 71.0115, 0.2940,
0.4466

 85.8862, 0.3097,
0.3432

 68.7575, 0.2915,
0.4766

 91.2209, 0.3139,
0.3237

 67.0193, 0.2901,
0.5063

 92.5753, 0.3133,
0.3175

■ 65.7545, 0.2901,
0.5338

■ 64.9139, 0.2914,
0.5575

■ 64.4351, 0.2938,
0.5760

■ 64.3382, 0.2945,
0.5803

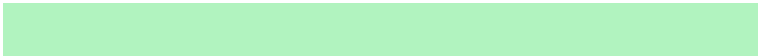
Harmonies

Analogous

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



77.2099, 0.3433, 0.4055



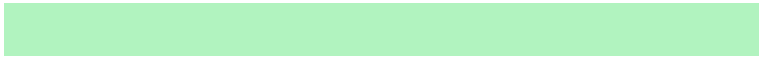
77.2099, 0.3012, 0.3902



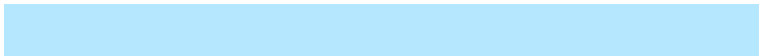
77.2099, 0.2639, 0.3545

Triad

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



77.2099, 0.3012, 0.3902



77.2099, 0.2485, 0.2627



77.2099, 0.3907, 0.3369

Complementary

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



77.2099, 0.3012, 0.3902



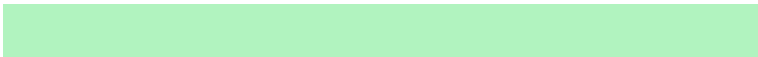
56.1838, 0.3269, 0.2747

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.



77.2099, 0.3619, 0.3037



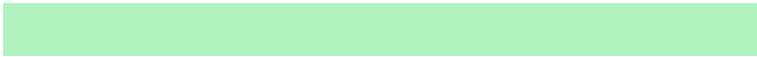
77.2099, 0.3012, 0.3902



77.2099, 0.2787, 0.2623

Square

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



77.2099, 0.3012, 0.3902



77.2099, 0.2351, 0.2799



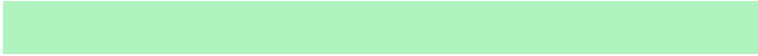
77.2099, 0.3200, 0.2771



77.2099, 0.3967, 0.3706

Rectangle

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



77.2099, 0.3012, 0.3902



77.2099, 0.2463, 0.3264



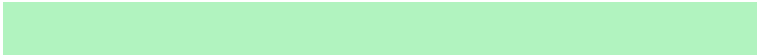
77.2099, 0.3200, 0.2771



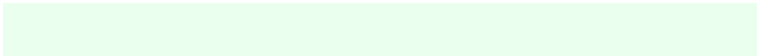
77.2099, 0.3833, 0.3255

Sweetspot

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



77.2131, 0.3012, 0.3902



95.3413, 0.3093, 0.3451



84.0633, 0.3445, 0.3991



20.2311, 0.3086, 0.3483



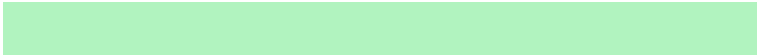
0.0000, 0.0000, 0.0000



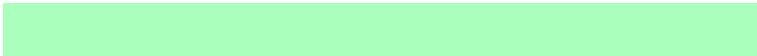
21.4041, 0.3127, 0.3290

Same Dimension

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



77.2131, 0.3012, 0.3902



83.8205, 0.2988, 0.4062



78.7898, 0.2835, 0.3515



18.5294, 0.3087, 0.3482



35.3302, 0.2939, 0.5780



3.1196, 0.2877, 0.5558

Inverse Universe

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



56.1838, 0.3269, 0.2747



56.4547, 0.3307, 0.2626



54.5487, 0.3540, 0.3077



16.7047, 0.3170, 0.3105



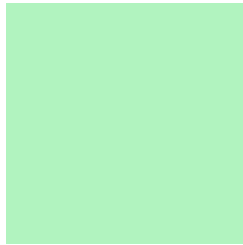
12.5566, 0.3830, 0.1883



1.1183, 0.3737, 0.1832

Previews

White Background



This preview shows how the Yxy color 77.2099, 0.3012, 0.3902 looks on a white background.

Color Contrast Check

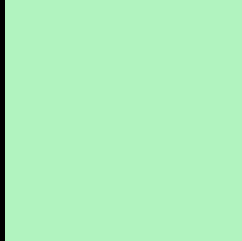
Large Text (above 18pt) WCAG AA × Fail

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 77.2099, 0.3012, 0.3902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

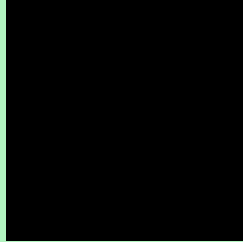
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

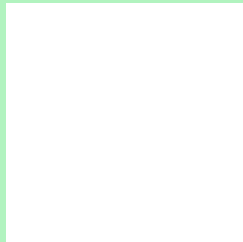
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2099, 0.3012, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 77.2099, 0.3012, 0.3902.

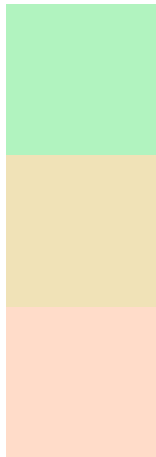


This preview shows how white text looks on a background with the Yxy color 77.2099, 0.3012, 0.3902.

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

77.2099, 0.3012, 0.3902

Protanopia

76.3369, 0.3518, 0.3746

Deuteranopia

76.6634, 0.3517, 0.3484



Tritanopia

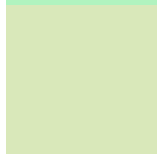
77.3273, 0.2737, 0.3093

Trichromacy



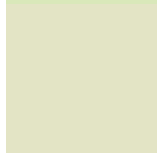
Original Color

77.2099, 0.3012, 0.3902



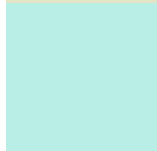
Protanomaly

76.0101, 0.3317, 0.3801



Deuteranomaly

75.8489, 0.3323, 0.3627



Tritanomaly

77.1765, 0.2840, 0.3379

Monochromacy



Original Color

77.2099, 0.3012, 0.3902



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.5033, 0.3076, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2099, 0.3012, 0.3902 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(177, 243, 191)` looks like.

```
.text, #text, p{  
    color:rgb(177, 243, 191)  
}
```

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(177, 243, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 243, 191) }
```

Border

The CSS property to change the border of an element to Yxy 77.2099, 0.3012, 0.3902 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(177, 243, 191) }
```

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

```
.border{ border-color:rgb(177, 243, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 243, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 243, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 243, 191);  
box-shadow:4px 4px 4px 4px rgb(177, 243,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2099, 0.3012, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 243, 191) }
```

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

```
.background{ background-color: rgb(177,  
243, 191) }
```

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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