

Converting Colors

$Yxy(78.9022, 0.3081, 0.3824)$

Have a look what the booklet for
Yxy(78.9022, 0.3081, 0.3824)
contains.

Yxy(78.6963, 0.3077, 0.3816)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.6963, 0.3077, 0.3816)

Conversions

Conversions Part 1

Format	Color
Hex	C0F2C4
RGB	192, 242, 196
RGB Percent	75%, 95%, 77%
CMY	0.2470, 0.0510, 0.2313
CMYK	0.21, 0.00, 0.19, 0.05
HSL	125°, 66%, 85%
HSV	125°, 21%, 95%
XYZ	63.4561, 78.6963, 64.0748
YIQ	221.8060, -15.0340, -24.9060

Conversions

Conversions Part 2

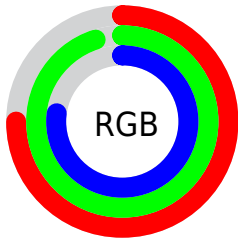
Format	Color
RYB	192, 238, 242
Decimal	12645060
CIELab	91.10, -24.62, 17.05
CIELCh	91, 29.950, 145.300
Yxy	78.6963, 0.3077, 0.3816
Android (android.graphics.Color)	4290835140 (0xFFC0F2C4)
YUV	221.8060, -12.7224, -26.1399
Hunter-Lab	88.7109, -27.5607, 19.2732

Details

The Yxy color **78.6963, 0.3077, 0.3816** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.7536, 0.3181, 0.2815**, and the grayscale version is **73.0055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7516, 0.3102, 0.3309**, and **42.4741, 0.3064, 0.3953** is the 20% darker color. If you saturate the color by 10%, you get **74.8560, 0.3052, 0.4118**, and if you desaturate by 10%, it is **83.2131, 0.3102, 0.3544**.

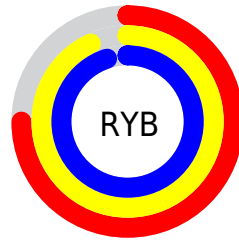
Distribution



Red (75%)

Green (95%)

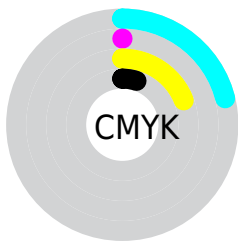
Blue (77%)



Red (75%)

Yellow (93%)

Blue (95%)

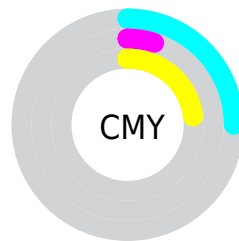


Cyan (21%)

Magenta (0%)

Yellow (19%)

Black (5%)



Cyan (25%)


Magenta (5%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6963, 0.3077, 0.3816 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 78.6963, 0.3077, 0.3816 by changing the saturation by 10% instead.

 78.6963, 0.3077,
0.3816

 78.6963, 0.3077,
0.3816


490.5283, 0.3104,
0.3567

 58.6461, 0.3070,
0.3874


 131.5312, 0.3087,
0.3729

 42.3283, 0.3060,
0.3946


165.0848, 0.3091,
0.3695

 29.3585, 0.3047,
0.4039


203.9083, 0.3094,
0.3666

 19.3522, 0.3029,
0.4162

248.3861, 0.3097,
0.3641

 11.9250, 0.3001,
0.4332

298.9026, 0.3099,
0.3619

 6.6926, 0.2956,
0.4583

355.8422, 0.3101,

 3.2706, 0.2870,

0.3600

0.4987

419.5893, 0.3103,
0.3583

1.2746, 0.2852,
0.6416

0.1214, 0.0000,
1.0000

78.6963, 0.3077,
0.3816

78.6963, 0.3077,
0.3816

74.8560, 0.3052,
0.4118

83.2131, 0.3102,
0.3544

71.6503, 0.3028,
0.4445

88.4262, 0.3126,
0.3305

69.0478, 0.3007,
0.4784

91.9862, 0.3133,
0.3165

67.0108, 0.2990,
0.5118

■ 65.4971, 0.2980,
0.5424

■ 64.4585, 0.2977,
0.5677

■ 63.8381, 0.2981,
0.5859

■ 63.5545, 0.2989,
0.5959

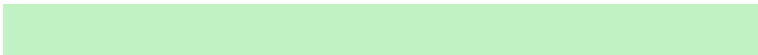
Harmonies

Analogous

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



78.6963, 0.3426, 0.3921



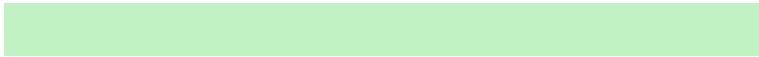
78.6963, 0.3077, 0.3816



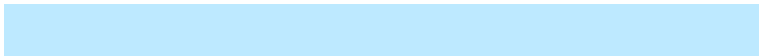
78.6963, 0.2754, 0.3541

Triad

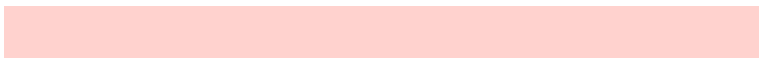
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.6963, 0.3077, 0.3816



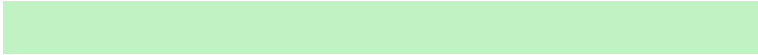
78.6963, 0.2568, 0.2746



78.6963, 0.3752, 0.3327

Complementary

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



78.6963, 0.3077, 0.3816



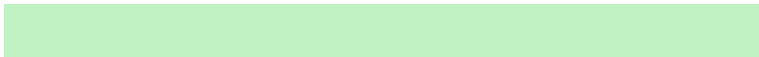
62.7536, 0.3181, 0.2815

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.



78.6963, 0.3497, 0.3049



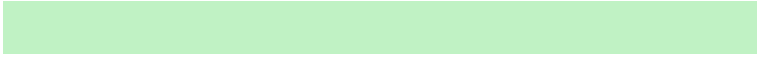
78.6963, 0.3077, 0.3816



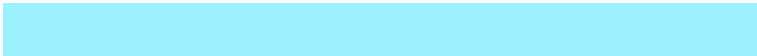
78.6963, 0.2809, 0.2722

Square

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



78.6963, 0.3077, 0.3816



78.6963, 0.2472, 0.2912



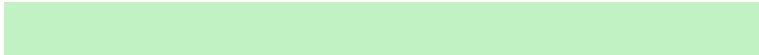
78.6963, 0.3147, 0.2833



78.6963, 0.3828, 0.3612

Rectangle

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



78.6963, 0.3077, 0.3816



78.6963, 0.2595, 0.3314



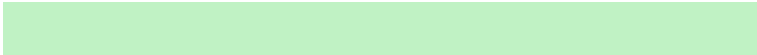
78.6963, 0.3147, 0.2833



78.6963, 0.3684, 0.3231

Sweetspot

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



78.6996, 0.3077, 0.3816



96.3392, 0.3113, 0.3429



85.6057, 0.3416, 0.3810



20.5390, 0.3111, 0.3445



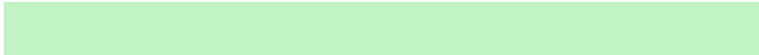
0.0000, 0.0000, 0.0000



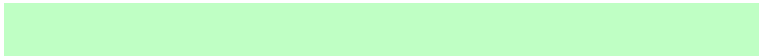
21.4041, 0.3127, 0.3290

Same Dimension

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



78.6996, 0.3077, 0.3816



86.6305, 0.3066, 0.3946



79.8989, 0.2938, 0.3532



17.6769, 0.3105, 0.3514



34.1487, 0.2985, 0.5947



2.8479, 0.2950, 0.5819

Inverse Universe

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



62.7536, 0.3181, 0.2815



65.5264, 0.3194, 0.2712



61.4188, 0.3367, 0.3061



16.0083, 0.3150, 0.3076



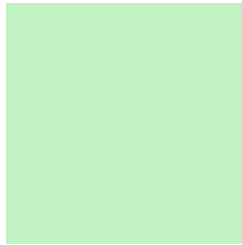
13.0019, 0.3421, 0.1658



1.0881, 0.3390, 0.1641

Previews

White Background



This preview shows how the Yxy color 78.6963, 0.3077, 0.3816 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 78.6963, 0.3077, 0.3816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

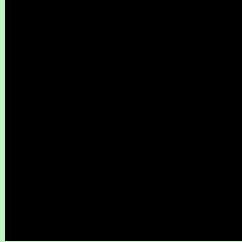
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

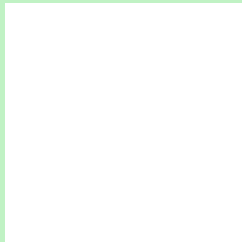
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6963, 0.3077, 0.3816

Background



This preview shows how black text looks on a background with the Yxy color 78.6963, 0.3077, 0.3816.

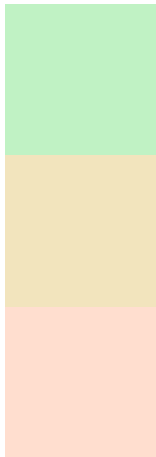


This preview shows how white text looks on a background with the Yxy color 78.6963, 0.3077, 0.3816.

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

78.6963, 0.3077, 0.3816

Protanopia

78.0382, 0.3487, 0.3700

Deuteranopia

78.0075, 0.3470, 0.3443



Tritanopia

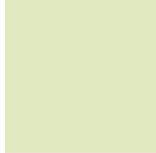
78.4940, 0.2812, 0.3087

Trichromacy



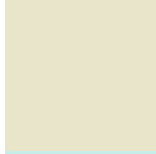
Original Color

78.6963, 0.3077, 0.3816



Protanomaly

77.9309, 0.3327, 0.3736



Deuteranomaly

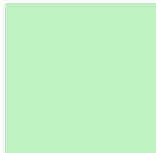
77.5062, 0.3318, 0.3568



Tritanomaly

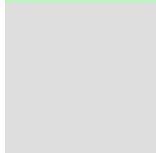
78.4003, 0.2907, 0.3344

Monochromacy



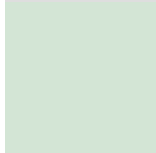
Original Color

78.6963, 0.3077, 0.3816



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

74.6916, 0.3105, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6963, 0.3077, 0.3816 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(192, 242, 196)` looks like.

```
.text, #text, p{  
    color:rgb(192, 242, 196)  
}
```

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(192, 242, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 242, 196) }
```

Border

The CSS property to change the border of an element to Yxy 78.6963, 0.3077, 0.3816 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(192, 242, 196) }
```

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

```
.border{ border-color:rgb(192, 242, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 242, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 242, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 242, 196);  
box-shadow:4px 4px 4px 4px rgb(192, 242,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6963, 0.3077, 0.3816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 242, 196) }
```

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

```
.background{ background-color: rgb(192,  
242, 196) }
```

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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