

Converting Colors

$Yxy(76.8669, 0.3136, 0.3798)$

Have a look what the booklet for
Yxy(76.8669, 0.3136, 0.3798)
contains.

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Color

Yxy(77.0051, 0.3136, 0.3803)

Conversions

Conversions Part 1

Format	Color
Hex	C6EEC1
RGB	198, 238, 193
RGB Percent	78%, 93%, 76%
CMY	0.2234, 0.0667, 0.2430
CMYK	0.17, 0.00, 0.19, 0.07
HSL	113°, 57%, 85%
HSV	113°, 19%, 93%
XYZ	63.4993, 77.0051, 61.9807
YIQ	220.9100, -9.3950, -22.4750

Conversions

Conversions Part 2

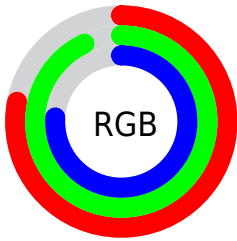
Format	Color
RYB	193, 238, 233
Decimal	13037249
CIELab	90.32, -21.19, 17.56
CIELCh	90, 27.526, 140.350
Yxy	77.0051, 0.3136, 0.3803
Android (android.graphics.Color)	4291227329 (0xFFC6EEC1)
YUV	220.9100, -13.7596, -20.0921
Hunter-Lab	87.7525, -24.4011, 19.5495

Details

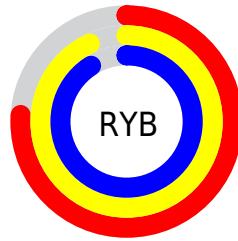
The Yxy color **77.0051, 0.3136, 0.3803** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.6411, 0.3111, 0.2816**, and the grayscale version is **72.3514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6821, 0.3156, 0.3338**, and **41.2493, 0.3139, 0.3936** is the 20% darker color. If you saturate the color by 10%, you get **73.3540, 0.3137, 0.4119**, and if you desaturate by 10%, it is **81.2347, 0.3132, 0.3517**.

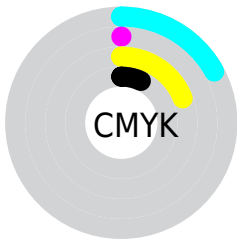
Distribution



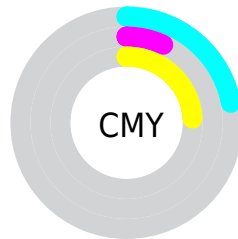
- Red (78%)
- Green (93%)
- Blue (76%)



- Red (76%)
- Yellow (93%)
- Blue (91%)



- Cyan (17%)
- Magenta (0%)
- Yellow (19%)
- Black (7%)





- Cyan (22%)
- Magenta (7%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0051, 0.3136, 0.3803 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 77.0051, 0.3136, 0.3803 by changing the saturation by 10% instead.


 77.0051, 0.3136,
0.3803

 77.0051, 0.3136,
0.3803


484.7814, 0.3136,
0.3560

 57.2571, 0.3135,
0.3860

 129.1467, 0.3137,
0.3718

 41.2117, 0.3133,
0.3931

162.3090, 0.3137,
0.3685

 28.4845, 0.3130,
0.4021


200.7116, 0.3137,
0.3657

 18.6912, 0.3124,
0.4141

244.7387, 0.3137,
0.3632

 11.4474, 0.3113,
0.4308

294.7749, 0.3137,
0.3611

 6.3686, 0.3092,
0.4554

351.2045, 0.3136,

 3.0705, 0.3041,

0.3592

0.4950

414.4118, 0.3136,
0.3575

■ 1.1686, 0.3244,
0.6662

■ 0.0359, 0.0000,
1.0000

■ 77.0051, 0.3136,
0.3803

■ 77.0051, 0.3136,
0.3803

■ 73.3540, 0.3137,
0.4119

■ 81.2347, 0.3132,
0.3517

■ 70.2469, 0.3134,
0.4459

■ 86.0561, 0.3126,
0.3264

■ 67.6607, 0.3127,
0.4809

■ 89.6252, 0.3135,
0.3127

■ 65.5664, 0.3114,
0.5151

■ 63.9328, 0.3096,
0.5460

■ 62.7246, 0.3074,
0.5709

■ 61.9013, 0.3048,
0.5882

■ 61.4110, 0.3025,
0.5974

■ 61.3726, 0.3023,
0.5982

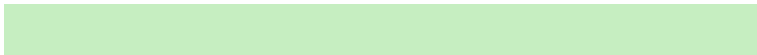
Harmonies

Analogous

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



77.0051, 0.3454, 0.3872



77.0051, 0.3136, 0.3803



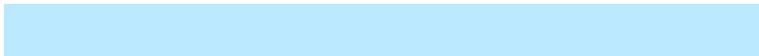
77.0051, 0.2826, 0.3571

Triad

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



77.0051, 0.3136, 0.3803



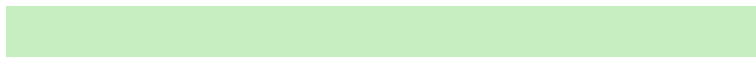
77.0051, 0.2583, 0.2801



77.0051, 0.3676, 0.3282

Complementary

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



77.0051, 0.3136, 0.3803



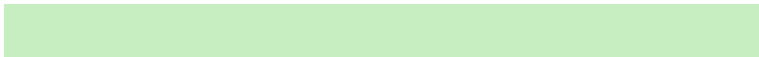
61.6411, 0.3111, 0.2816

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.



77.0051, 0.3420, 0.3028



77.0051, 0.3136, 0.3803



77.0051, 0.2788, 0.2757

Square

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



77.0051, 0.3136, 0.3803



77.0051, 0.2518, 0.2979



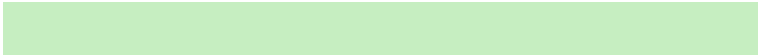
77.0051, 0.3091, 0.2840



77.0051, 0.3777, 0.3550

Rectangle

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



77.0051, 0.3136, 0.3803



77.0051, 0.2665, 0.3366



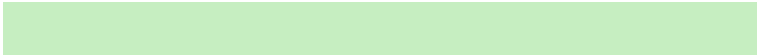
77.0051, 0.3091, 0.2840



77.0051, 0.3605, 0.3193

Sweetspot

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



77.0084, 0.3136, 0.3803



96.5663, 0.3131, 0.3441



80.1618, 0.3421, 0.3709



20.5925, 0.3131, 0.3458



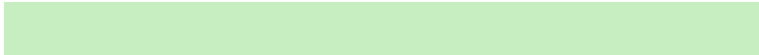
0.0000, 0.0000, 0.0000



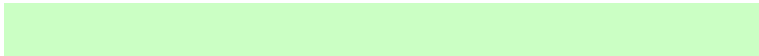
21.4041, 0.3127, 0.3290

Same Dimension

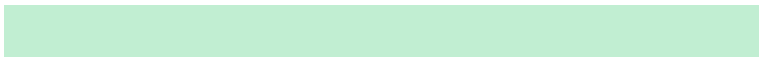
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.0084, 0.3136, 0.3803



88.2041, 0.3137, 0.3932



77.1518, 0.3001, 0.3605



17.7409, 0.3132, 0.3533



34.2691, 0.3028, 0.5978



2.8785, 0.3086, 0.5932

Inverse Universe

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



61.6411, 0.3111, 0.2816



66.8966, 0.3105, 0.2707



61.5332, 0.3278, 0.2995



15.9365, 0.3120, 0.3056



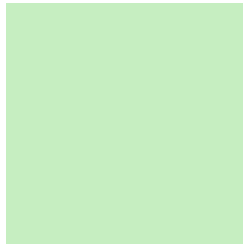
11.2403, 0.2929, 0.1387



0.9604, 0.2968, 0.1409

Previews

White Background



This preview shows how the Yxy color 77.0051, 0.3136, 0.3803 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 77.0051, 0.3136, 0.3803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

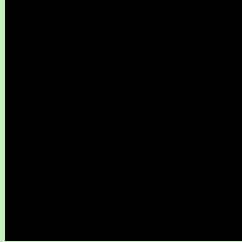
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

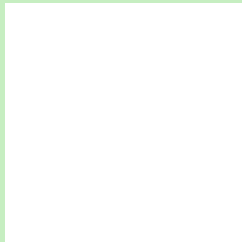
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0051, 0.3136, 0.3803

Background



This preview shows how black text looks on a background with the Yxy color 77.0051, 0.3136, 0.3803.

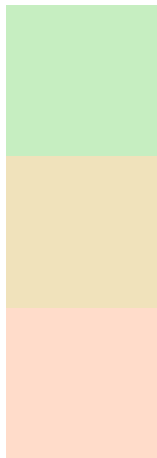


This preview shows how white text looks on a background with the Yxy color 77.0051, 0.3136, 0.3803.

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

77.0051, 0.3136, 0.3803

Protanopia

76.5058, 0.3490, 0.3703

Deuteranopia

76.7107, 0.3510, 0.3474



Tritanopia

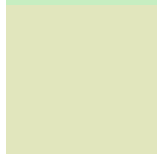
76.6986, 0.2862, 0.3086

Trichromacy



Original Color

77.0051, 0.3136, 0.3803



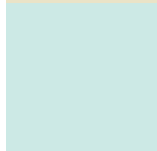
Protanomaly

76.2753, 0.3358, 0.3738



Deuteranomaly

76.5541, 0.3362, 0.3589



Tritanomaly

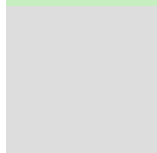
76.7723, 0.2961, 0.3333

Monochromacy



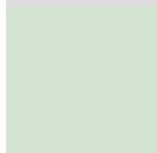
Original Color

77.0051, 0.3136, 0.3803



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

73.7875, 0.3133, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0051, 0.3136, 0.3803 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(198, 238, 193)` looks like.

```
.text, #text, p{  
    color:rgb(198, 238, 193)  
}
```

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(198, 238, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 238, 193) }
```

Border

The CSS property to change the border of an element to Yxy 77.0051, 0.3136, 0.3803 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(198, 238, 193) }
```

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

```
.border{ border-color:rgb(198, 238, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 238, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 238, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 238, 193);  
box-shadow:4px 4px 4px 4px rgb(198, 238,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0051, 0.3136, 0.3803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 238, 193) }
```

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

```
.background{ background-color: rgb(198,  
238, 193) }
```

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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