

Converting Colors

$Yxy(77.5781, 0.3107, 0.3703)$

Have a look what the booklet for
Yxy(77.5781, 0.3107, 0.3703)
contains.

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Color

Yxy(77.7836, 0.3108, 0.3707)

Conversions

Conversions Part 1

Format	Color
Hex	C9EEC9
RGB	201, 238, 201
RGB Percent	79%, 93%, 79%
CMY	0.2115, 0.0667, 0.2118
CMYK	0.16, 0.00, 0.16, 0.07
HSL	120°, 52%, 86%
HSV	120°, 16%, 93%
XYZ	65.2148, 77.7836, 66.8305
YIQ	222.7190, -10.1750, -19.3510

Conversions

Conversions Part 2

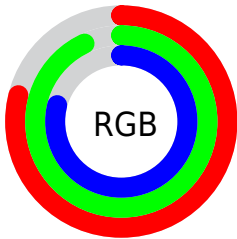
Format	Color
R_{YB}	201, 238, 238
Decimal	13233865
CIE _{Lab}	90.68, -18.83, 13.96
CIE _{LCh}	91, 23.444, 143.441
Yxy	77.7836, 0.3108, 0.3707
Android (android.graphics.Color)	4291423945 (0xFFC9EEC9)
YUV	222.7190, -10.7075, -19.0476
Hunter-Lab	88.1950, -22.3514, 16.8090

Details

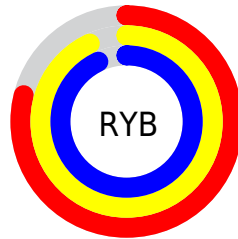
The Yxy color $77.7836, 0.3108, 0.3707$ is a light color, and the websafe version is hex `CCFFCC`. A complement of this color would be $66.1087, 0.3145, 0.2905$, and the grayscale version is $73.6730, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.7655, 0.3103, 0.3808$ is the 20% darker color. If you saturate the color by 10%, you get $73.7089, 0.3094, 0.4020$, and if you desaturate by 10%, it is $82.5478, 0.3121, 0.3429$.

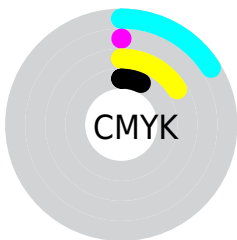
Distribution



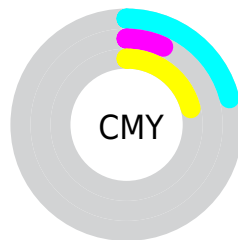
- Red (79%)
- Green (93%)
- Blue (79%)



- Red (79%)
- Yellow (93%)
- Blue (93%)



- Cyan (16%)
- Magenta (0%)
- Yellow (16%)
- Black (7%)




- Cyan (21%)
- Magenta (7%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7836, 0.3108, 0.3707 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 77.7836, 0.3108, 0.3707 by changing the saturation by 10% instead.

 77.7836, 0.3108,
0.3707

 77.7836, 0.3108,
0.3707


487.4316, 0.3119,
0.3511

 57.8962, 0.3105,
0.3753

130.2450, 0.3113,
0.3638

 41.7252, 0.3100,
0.3809

163.5879, 0.3114,
0.3612

 28.8862, 0.3094,
0.3882


202.1847, 0.3115,
0.3589

 18.9947, 0.3085,
0.3978


246.4198, 0.3117,
0.3569

 11.6665, 0.3071,
0.4111

296.6776, 0.3117,
0.3552

 6.5170, 0.3048,
0.4306

353.3426, 0.3118,

 3.1619, 0.3001,

0.3537

0.4619

416.7992, 0.3119,
0.3523

■ 1.2168, 0.3030,
0.5551

■ 0.0754, 0.0000,
1.0000

■ 77.7836, 0.3108,
0.3707

■ 77.7836, 0.3108,
0.3707

■ 73.7089, 0.3094,
0.4020

■ 82.5478, 0.3121,
0.3429

■ 70.2825, 0.3078,
0.4362

■ 88.0209, 0.3132,
0.3186

■ 67.4739, 0.3061,
0.4721

■ 89.6248, 0.3135,
0.3127

■ 65.2464, 0.3044,
0.5079

■ 63.5594, 0.3029,
0.5408

■ 62.3669, 0.3016,
0.5680

■ 61.6154, 0.3007,
0.5871

■ 61.2390, 0.3001,
0.5974

■ 61.1473, 0.3000,
0.6000

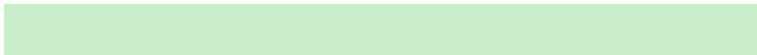
Harmonies

Analogous

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



77.7836, 0.3381, 0.3783



77.7836, 0.3108, 0.3707



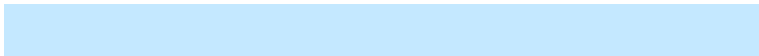
77.7836, 0.2848, 0.3502

Triad

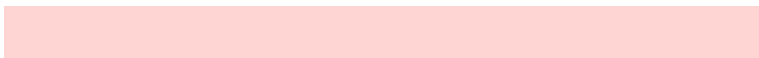
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7836, 0.3108, 0.3707



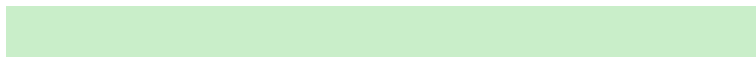
77.7836, 0.2675, 0.2865



77.7836, 0.3608, 0.3309

Complementary

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



77.7836, 0.3108, 0.3707



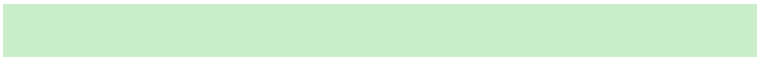
66.1087, 0.3145, 0.2905

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.



77.7836, 0.3403, 0.3087



77.7836, 0.3108, 0.3707



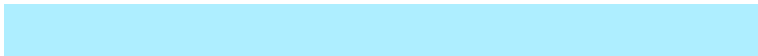
77.7836, 0.2862, 0.2836

Square

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



77.7836, 0.3108, 0.3707



77.7836, 0.2606, 0.3007



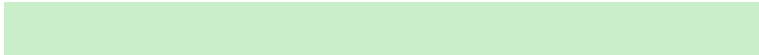
77.7836, 0.3127, 0.2917



77.7836, 0.3678, 0.3537

Rectangle

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



77.7836, 0.3108, 0.3707



77.7836, 0.2716, 0.3328



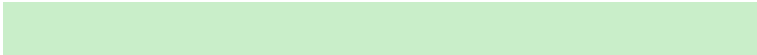
77.7836, 0.3127, 0.2917



77.7836, 0.3552, 0.3232

Sweetspot

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



77.7869, 0.3108, 0.3707



96.8711, 0.3121, 0.3415



83.1790, 0.3361, 0.3670



20.6439, 0.3121, 0.3434



0.0000, 0.0000, 0.0000



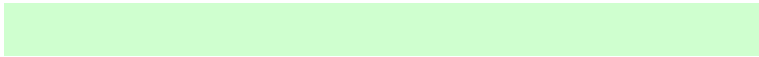
21.4041, 0.3127, 0.3290

Same Dimension

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



77.7869, 0.3108, 0.3707



89.2153, 0.3103, 0.3813



78.6696, 0.3001, 0.3502



17.6577, 0.3116, 0.3534



34.1170, 0.3000, 0.6000



2.8387, 0.3001, 0.5999

Inverse Universe

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



66.1087, 0.3145, 0.2905



72.8726, 0.3149, 0.2817



65.1199, 0.3275, 0.3088



16.0300, 0.3138, 0.3057



13.5474, 0.3205, 0.1539



1.1275, 0.3206, 0.1540

Previews

White Background



This preview shows how the Yxy color 77.7836, 0.3108, 0.3707 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 77.7836, 0.3108, 0.3707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

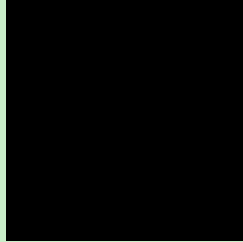
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

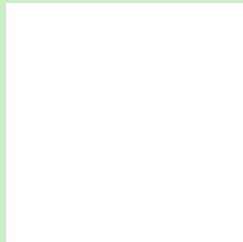
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7836, 0.3108, 0.3707

Background



This preview shows how black text looks on a background with the Yxy color 77.7836, 0.3108, 0.3707.

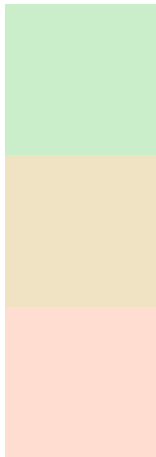


This preview shows how white text looks on a background with the Yxy color 77.7836, 0.3108, 0.3707.

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

77.7836, 0.3108, 0.3707

Protanopia

77.2744, 0.3419, 0.3618

Deuteranopia

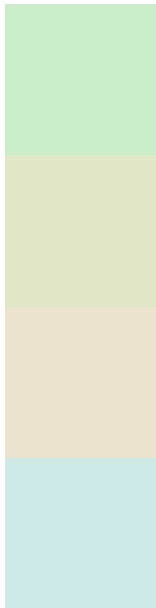
77.5270, 0.3465, 0.3423



Tritanopia

77.6093, 0.2869, 0.3088

Trichromacy



Original Color

77.7836, 0.3108, 0.3707

Protanomaly

77.2366, 0.3298, 0.3648

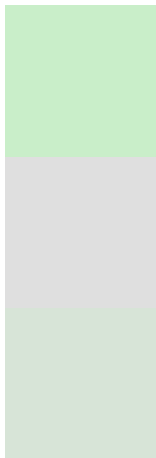
Deuteranomaly

77.0081, 0.3329, 0.3524

Tritanomaly

77.7936, 0.2956, 0.3311

Monochromacy



Original Color

77.7836, 0.3108, 0.3707

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.8402, 0.3120, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7836, 0.3108, 0.3707 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(201, 238, 201)` looks like.

```
.text, #text, p{  
    color:rgb(201, 238, 201)  
}
```

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(201, 238, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 238, 201) }
```

Border

The CSS property to change the border of an element to Yxy 77.7836, 0.3108, 0.3707 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(201, 238, 201) }
```

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

```
.border{ border-color:rgb(201, 238, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 238, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 238, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 238, 201);  
box-shadow:4px 4px 4px 4px rgb(201, 238,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7836, 0.3108, 0.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 238, 201) }
```

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

```
.background{ background-color: rgb(201,  
238, 201) }
```

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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