

Converting Colors

$Y_{xy}(102.5090, 0.3076, 0.4126)$

Have a look what the booklet for
Yxy(102.5090, 0.3076, 0.4126)
contains.

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Color

Yxy(87.3793, 0.3080, 0.3910)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFC7
RGB	196, 255, 199
RGB Percent	77%, 100%, 78%
CMY	0.2314, 0.0000, 0.2196
CMYK	0.23, 0.00, 0.22, 0.00
HSL	123°, 100%, 88%
HSV	123°, 23%, 100%
XYZ	68.8308, 87.3793, 67.2664
YIQ	230.9750, -17.1880, -29.9240

Conversions

Conversions Part 2

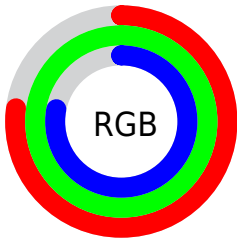
Format	Color
R_{YB}	196, 252, 255
Decimal	12910535
CIE _{Lab}	94.90, -29.01, 20.87
CIE _{LCh}	95, 35.734, 144.269
Yxy	87.3793, 0.3080, 0.3910
Android (android.graphics.Color)	4291100615 (0xFFC4FFC7)
YUV	230.9750, -15.7637, -30.6731
Hunter-Lab	93.4769, -32.1479, 22.7685

Details

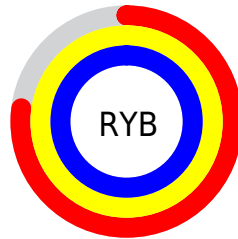
The Yxy color **87.3793, 0.3080, 0.3910** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.7630, 0.3176, 0.2740**, and the grayscale version is **80.0169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **48.0952, 0.3061, 0.4057** is the 20% darker color. If you saturate the color by 10%, you get **83.2077, 0.3058, 0.4230**, and if you desaturate by 10%, it is **92.3074, 0.3101, 0.3620**.

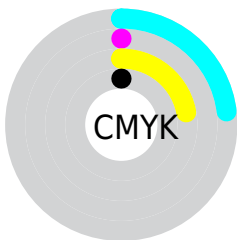
Distribution



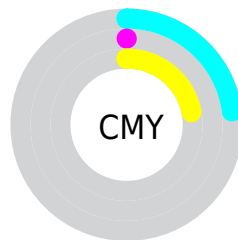
- Red (77%)
- Green (100%)
- Blue (78%)



- Red (77%)
- Yellow (99%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.3793, 0.3080, 0.3910 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 87.3793, 0.3080, 0.3910 by changing the saturation by 10% instead.


 87.3793, 0.3080,
0.3910

 87.3793, 0.3080,
0.3910


519.4684, 0.3107,
0.3621

 65.8091, 0.3073,
0.3976


143.6927, 0.3090,
0.3809

 48.1175, 0.3063,
0.4059


179.2047, 0.3094,
0.3770

 33.9199, 0.3049,
0.4163


220.1328, 0.3097,
0.3737

 22.8321, 0.3030,
0.4300

266.8614, 0.3100,
0.3707

 14.4696, 0.3001,
0.4486

319.7749, 0.3102,
0.3682

 8.4480, 0.2953,
0.4755


379.2576, 0.3104,


 4.3829, 0.2865,

0.3659

0.5170


445.6940, 0.3106,
0.3639


 1.8900, 0.2785,
0.6123


 0.5423, 0.0000,
1.0000


 87.3793, 0.3080,
0.3910


 87.3793, 0.3080,
0.3910

 83.2077, 0.3058,
0.4230


 92.3074, 0.3101,
0.3620

 79.7599, 0.3037,
0.4572

 98.0322, 0.3121,
0.3364

 76.9931, 0.3018,
0.4921

100.0000, 0.3127,
0.3290

 74.8622, 0.3003,
0.5255

■ 73.3165, 0.2993,
0.5548

■ 72.2977, 0.2989,
0.5776

■ 71.7354, 0.2992,
0.5924

■ 71.5490, 0.2994,
0.5978

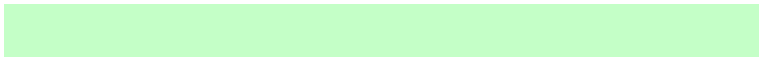
Harmonies

Analogous

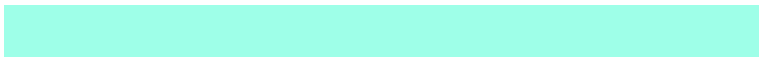
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3793, 0.3480, 0.4020



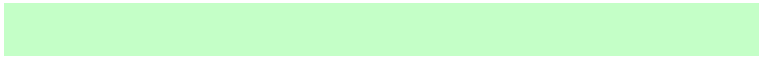
87.3793, 0.3080, 0.3910



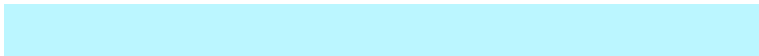
87.3793, 0.2709, 0.3594

Triad

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



87.3793, 0.3080, 0.3910



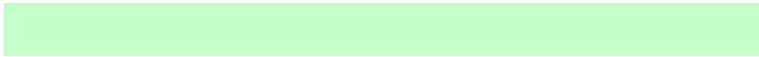
87.3793, 0.2481, 0.2670



87.3793, 0.3842, 0.3317

Complementary

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



87.3793, 0.3080, 0.3910



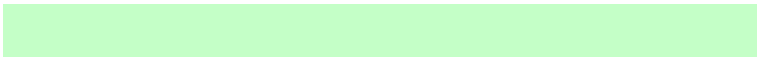
67.7630, 0.3176, 0.2740

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.



87.3793, 0.3540, 0.3003



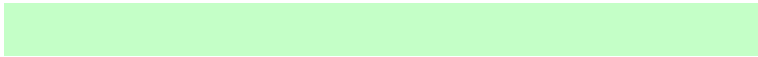
87.3793, 0.3080, 0.3910



87.3793, 0.2749, 0.2641

Square

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



87.3793, 0.3080, 0.3910



87.3793, 0.2379, 0.2861



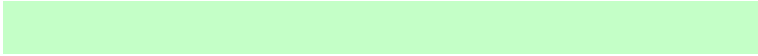
87.3793, 0.3133, 0.2763



87.3793, 0.3936, 0.3643

Rectangle

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



87.3793, 0.3080, 0.3910



87.3793, 0.2524, 0.3328



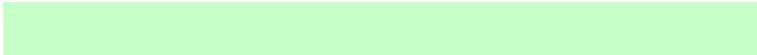
87.3793, 0.3133, 0.2763



87.3793, 0.3761, 0.3208

Sweetspot

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



87.3776, 0.3080, 0.3910



95.7269, 0.3114, 0.3459



96.2097, 0.3458, 0.3874



20.4147, 0.3112, 0.3474



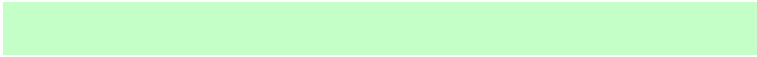
0.0000, 0.0000, 0.0000



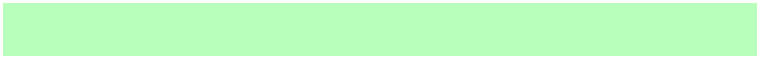
21.4041, 0.3127, 0.3290

Same Dimension

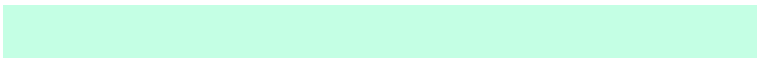
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.3776, 0.3080, 0.3910



85.2590, 0.3069, 0.4062



88.8805, 0.2921, 0.3576



20.1832, 0.3109, 0.3523



37.3921, 0.2991, 0.5969



3.6458, 0.2971, 0.5896

Inverse Universe

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



67.7630, 0.3176, 0.2740



62.3630, 0.3187, 0.2623



66.0382, 0.3396, 0.3021



18.2835, 0.3146, 0.3068



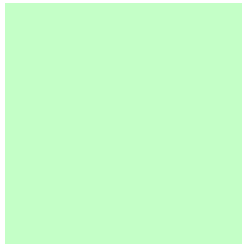
14.4660, 0.3341, 0.1614



1.4132, 0.3325, 0.1605

Previews

White Background



This preview shows how the Yxy color 87.3793, 0.3080, 0.3910 looks on a white background.

Color Contrast Check

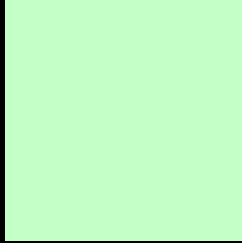
Large Text (above 18pt) WCAG AA × Fail

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 87.3793, 0.3080, 0.3910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

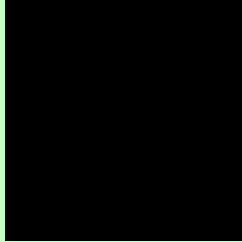
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

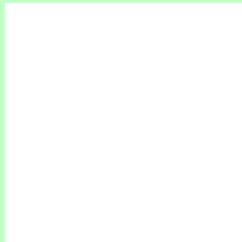
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.3793, 0.3080, 0.3910

Background



This preview shows how black text looks on a background with the Yxy color 87.3793, 0.3080, 0.3910.

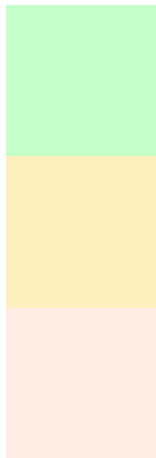


This preview shows how white text looks on a background with the Yxy color 87.3793, 0.3080, 0.3910.

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

87.3793, 0.3080, 0.3910

Protanopia

86.5654, 0.3537, 0.3773

Deuteranopia

86.7419, 0.3320, 0.3389



Tritanopia

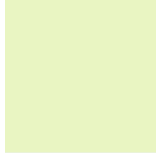
86.8508, 0.2926, 0.3167

Trichromacy



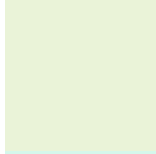
Original Color

87.3793, 0.3080, 0.3910



Protanomaly

86.5235, 0.3359, 0.3824



Deuteranomaly

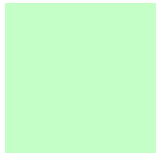
86.5515, 0.3232, 0.3570



Tritanomaly

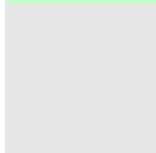
86.6658, 0.2984, 0.3416

Monochromacy



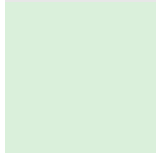
Original Color

87.3793, 0.3080, 0.3910



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.3401, 0.3110, 0.3515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3793, 0.3080, 0.3910 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(196, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 199)  
}
```

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(196, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 199) }
```

Border

The CSS property to change the border of an element to Yxy 87.3793, 0.3080, 0.3910 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(196, 255, 199) }
```

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

```
.border{ border-color:rgb(196, 255, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3793, 0.3080, 0.3910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 199) }
```

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

```
.background{ background-color: rgb(196,  
255, 199) }
```

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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