

Converting Colors

$Y_{xy}(100.0000, 0.3002, 0.3995)$

Have a look what the booklet for
Yxy(100.0000, 0.3002, 0.3995)
contains.

Yxy(87.1504, 0.3001, 0.3811)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.1504, 0.3001, 0.3811)

Conversions

Conversions Part 1

Format	Color
Hex	BFFF00
RGB	191, 255, 208
RGB Percent	75%, 100%, 82%
CMY	0.2511, 0.0000, 0.1842
CMYK	0.25, 0.00, 0.18, 0.00
HSL	136°, 100%, 87%
HSV	136°, 25%, 100%
XYZ	68.6272, 87.1504, 72.9036
YIQ	230.5060, -23.0570, -28.1850

Conversions

Conversions Part 2

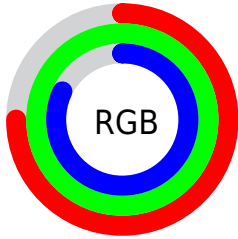
Format	Color
RYB	191, 242, 255
Decimal	12582864
CIELab	94.80, -29.03, 16.07
CIELCh	95, 33.183, 151.036
Yxy	87.1504, 0.3001, 0.3811
Android (android.graphics.Color)	4290772944 (0xFFBFFFD0)
YUV	230.5060, -11.0955, -34.6468
Hunter-Lab	93.3544, -32.1502, 19.0465

Details

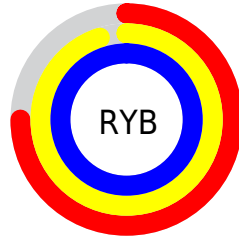
The Yxy color **87.1504, 0.3001, 0.3811** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.6732, 0.3283, 0.2820**, and the grayscale version is **79.6154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **47.9555, 0.2964, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **83.2578, 0.2955, 0.4060**, and if you desaturate by 10%, it is **91.7210, 0.3051, 0.3585**.

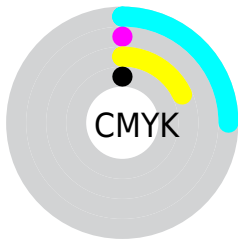
Distribution



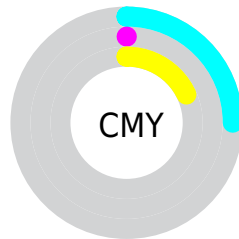
- Red (75%)
- Green (100%)
- Blue (82%)



- Red (75%)
- Yellow (95%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1504, 0.3001, 0.3811 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 87.1504, 0.3001, 0.3811 by changing the saturation by 10% instead.

 87.1504, 0.3001,
0.3811

 87.1504, 0.3001,
0.3811


518.7170, 0.3062,
0.3569

 65.6197, 0.2987,
0.3867

 143.3738, 0.3023,
0.3727

 47.9637, 0.2968,
0.3935

178.8352, 0.3031,
0.3694

 33.7982, 0.2945,
0.4023


219.7089, 0.3038,
0.3666

 22.7386, 0.2913,
0.4137

266.3795, 0.3044,
0.3641

 14.4006, 0.2869,
0.4293

319.2311, 0.3049,
0.3620

 8.3998, 0.2803,
0.4519

378.6483, 0.3054,

 4.3518, 0.2694,

0.3601

0.4870

445.0155, 0.3058,
0.3584

■ 1.8723, 0.2510,
0.5536

■ 0.5316, 0.0000,
1.0000

■ 87.1504, 0.3001,
0.3811

■ 87.1504, 0.3001,
0.3811

■ 83.2578, 0.2955,
0.4060

■ 91.7210, 0.3051,
0.3585

■ 80.0187, 0.2915,
0.4329

■ 97.0098, 0.3101,
0.3384

■ 77.3935, 0.2884,
0.4610

■ 100.0000, 0.3127,
0.3290

■ 75.3421, 0.2866,
0.4894

■ 73.8193, 0.2863,
0.5166

■ 72.7730, 0.2875,
0.5412

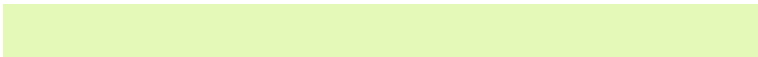
■ 72.1394, 0.2902,
0.5618

■ 71.9374, 0.2917,
0.5702

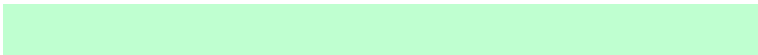
Harmonies

Analogous

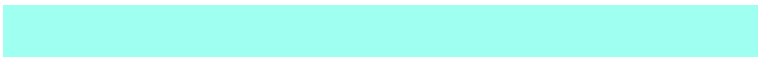
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1504, 0.3376, 0.3963



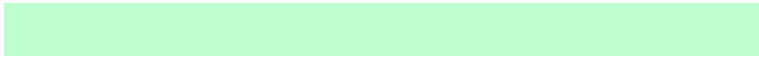
87.1504, 0.3001, 0.3811



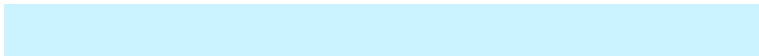
87.1504, 0.2673, 0.3490

Triad

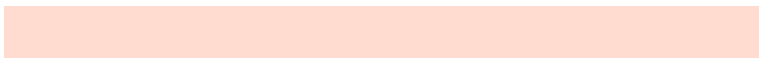
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1504, 0.3001, 0.3811



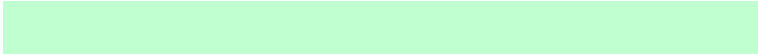
87.1504, 0.2569, 0.2692



87.1504, 0.3829, 0.3387

Complementary

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



87.1504, 0.3001, 0.3811



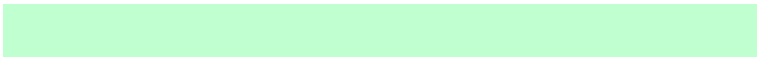
64.6732, 0.3283, 0.2820

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.



87.1504, 0.3587, 0.3085



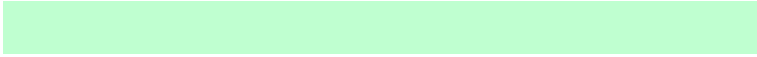
87.1504, 0.3001, 0.3811



87.1504, 0.2849, 0.2697

Square

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



87.1504, 0.3001, 0.3811



87.1504, 0.2435, 0.2839



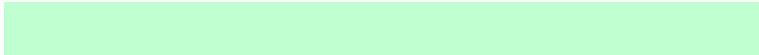
87.1504, 0.3221, 0.2839



87.1504, 0.3868, 0.3685

Rectangle

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



87.1504, 0.3001, 0.3811



87.1504, 0.2521, 0.3244



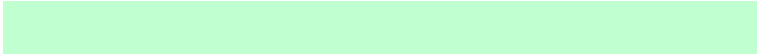
87.1504, 0.3221, 0.2839



87.1504, 0.3769, 0.3284

Sweetspot

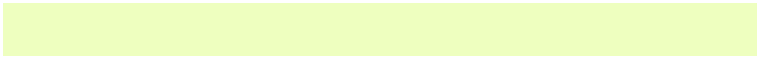
The Sweet Spot groups the original color and five complimentary colors.



87.1474, 0.3001, 0.3811



95.4078, 0.3087, 0.3439



93.4437, 0.3394, 0.3944



20.2477, 0.3079, 0.3469



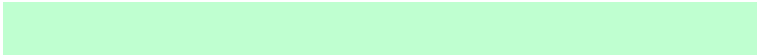
0.0000, 0.0000, 0.0000



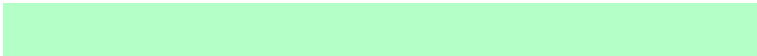
21.4041, 0.3127, 0.3290

Same Dimension

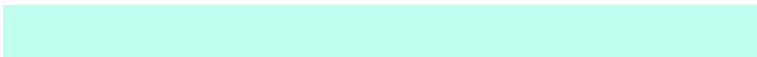
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1474, 0.3001, 0.3811



85.1632, 0.2978, 0.3930



88.8861, 0.2832, 0.3450



20.2477, 0.3079, 0.3469



37.6098, 0.2910, 0.5675



3.6791, 0.2850, 0.5460

Inverse Universe

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



64.6732, 0.3283, 0.2820



59.2751, 0.3321, 0.2727



62.9564, 0.3537, 0.3137



18.2128, 0.3179, 0.3117



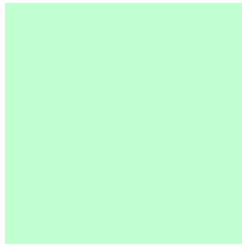
13.0095, 0.4025, 0.1991



1.2848, 0.3911, 0.1928

Previews

White Background



This preview shows how the Yxy color 87.1504, 0.3001, 0.3811 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 87.1504, 0.3001, 0.3811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

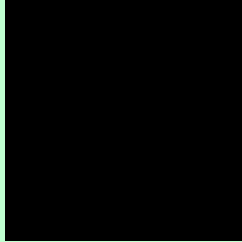
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

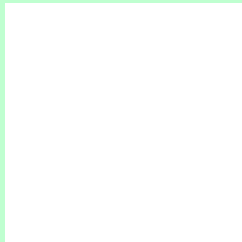
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1504, 0.3001, 0.3811

Background



This preview shows how black text looks on a background with the Yxy color 87.1504, 0.3001, 0.3811.

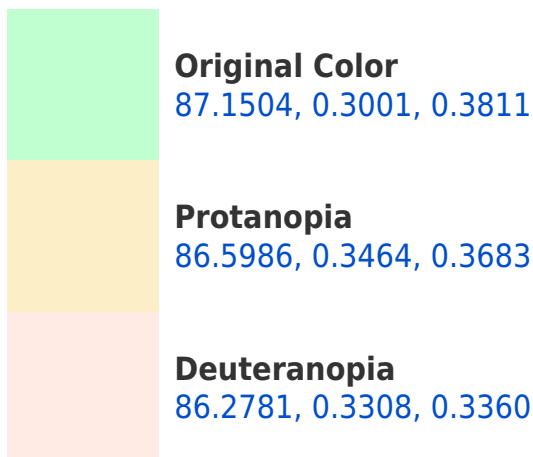


This preview shows how white text looks on a background with the Yxy color 87.1504, 0.3001, 0.3811.

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





Tritanopia

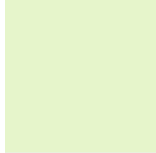
86.9814, 0.2908, 0.3177

Trichromacy



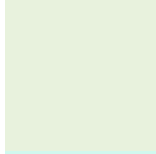
Original Color

87.1504, 0.3001, 0.3811



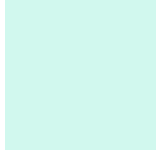
Protanomaly

86.4396, 0.3283, 0.3731



Deuteranomaly

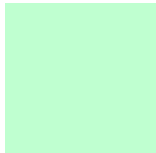
85.8805, 0.3189, 0.3508



Tritanomaly

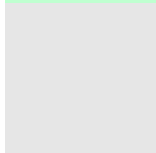
86.8632, 0.2943, 0.3395

Monochromacy



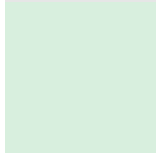
Original Color

87.1504, 0.3001, 0.3811



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.6059, 0.3079, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1504, 0.3001, 0.3811 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(191, 255, 208)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 208)  
}
```

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(191, 255, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 208) }
```

Border

The CSS property to change the border of an element to Yxy 87.1504, 0.3001, 0.3811 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(191, 255, 208) }
```

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

```
.border{ border-color:rgb(191, 255, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 255, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 255, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 255, 208); box-shadow:4px 4px 4px 4px rgb(191, 255, 208) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1504, 0.3001, 0.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 208) }
```

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

```
.background{ background-color: rgb(191,  
255, 208) }
```

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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