

# Converting Colors

$Yxy(87.6991, 0.3155, 0.3995)$

Have a look what the booklet for  
Yxy(87.6991, 0.3155, 0.3995)  
contains.

<b>Yxy(87.6991, 0.3155, 0.3995)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(87.6991, 0.3155, 0.3995)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9FFBF
RGB	201, 255, 191
RGB Percent	79%, 100%, 75%
CMY	0.2116, 0.0000, 0.2510
CMYK	0.21, 0.00, 0.25, 0.00
HSL	111°, 100%, 87%
HSV	111°, 25%, 100%
XYZ	69.2592, 87.6991, 62.5638
YIQ	231.5580, -11.6400, -31.3520

# Conversions

## Conversions Part 2

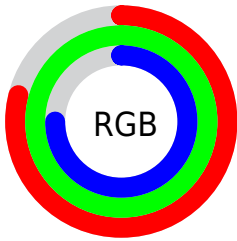
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 255, 245
Decimal	13238207
CIELab	95.03, -28.66, 25.17
CIELCh	95, 38.141, 138.714
Yxy	87.6991, 0.3155, 0.3995
Android (android.graphics.Color)	4291428287 (0xFFC9FFBF)
YUV	231.5580, -19.9951, -26.7994
Hunter-Lab	93.6478, -31.8701, 25.9433

# Details

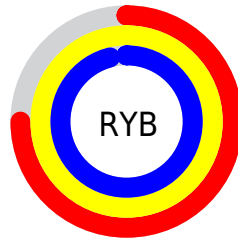
The Yxy color **87.6991, 0.3155, 0.3995** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.8830, 0.3081, 0.2648**, and the grayscale version is **80.5148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.5573, 0.3168, 0.3357**, and **48.3053, 0.3154, 0.4167** is the 20% darker color. If you saturate the color by 10%, you get **83.9016, 0.3160, 0.4325**, and if you desaturate by 10%, it is **92.1164, 0.3146, 0.3691**.

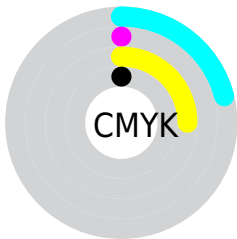
# Distribution



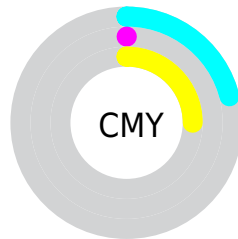
- Red (79%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (96%)



- Cyan (21%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.6991, 0.3155, 0.3995 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 87.6991, 0.3155, 0.3995 by changing the saturation by 10% instead.




 87.6991, 0.3155,  
0.3995

 87.6991, 0.3155,  
0.3995


520.5173, 0.3150,  
0.3666

 66.0739, 0.3154,  
0.4070


 144.1382, 0.3155,  
0.3881

 48.3324, 0.3152,  
0.4164


179.7208, 0.3154,  
0.3836

 34.0902, 0.3148,  
0.4282


220.7248, 0.3154,  
0.3798

 22.9629, 0.3140,  
0.4437

267.5344, 0.3153,  
0.3765

 14.5661, 0.3125,  
0.4647

320.5340, 0.3152,  
0.3735

 8.5154, 0.3093,  
0.4947

380.1081, 0.3152,

 4.4265, 0.3022,

0.3710

0.5404

446.6411, 0.3151,  
0.3687

■ 1.9149, 0.3097,  
0.6718

■ 0.5573, 0.0000,  
1.0000

■ 87.6991, 0.3155,  
0.3995

■ 87.6991, 0.3155,  
0.3995

■ 83.9016, 0.3160,  
0.4325

■ 92.1164, 0.3146,  
0.3691

■ 80.6855, 0.3160,  
0.4669

■ 97.1680, 0.3134,  
0.3417

■ 78.0249, 0.3153,  
0.5013

99.9979, 0.3127,  
0.3290

■ 75.8879, 0.3138,  
0.5334

■ 74.2389, 0.3115,  
0.5607

■ 73.0380, 0.3085,  
0.5810

■ 72.2383, 0.3053,  
0.5933

■ 71.9697, 0.3039,  
0.5969

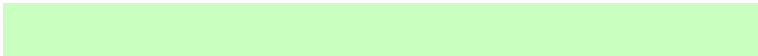
# Harmonies

## Analogous

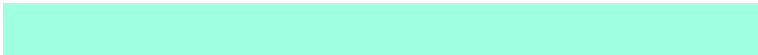
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6991, 0.3574, 0.4064



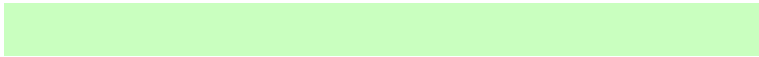
87.6991, 0.3155, 0.3995



87.6991, 0.2747, 0.3689

# Triad

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



87.6991, 0.3155, 0.3995



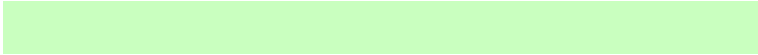
87.6991, 0.2407, 0.2655



87.6991, 0.3844, 0.3252

# Complementary

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



87.6991, 0.3155, 0.3995



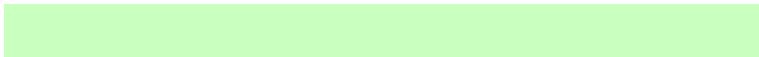
63.8830, 0.3081, 0.2648

# Split Complementary

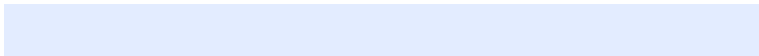
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6991, 0.3491, 0.2930



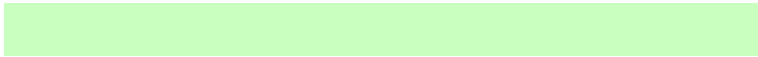
87.6991, 0.3155, 0.3995



87.6991, 0.2660, 0.2595

# Square

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



87.6991, 0.3155, 0.3995



87.6991, 0.2334, 0.2888



87.6991, 0.3051, 0.2696

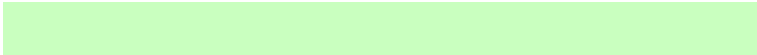


87.6991, 0.3990, 0.3600



# Rectangle

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



87.6991, 0.3155, 0.3995



87.6991, 0.2533, 0.3409



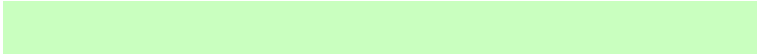
87.6991, 0.3051, 0.2696



87.6991, 0.3745, 0.3138

# Sweetspot

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



87.7028, 0.3155, 0.3995



95.6380, 0.3138, 0.3494



89.9209, 0.3532, 0.3822



20.3050, 0.3139, 0.3534



0.0000, 0.0000, 0.0000

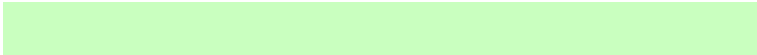


21.4041, 0.3127, 0.3290

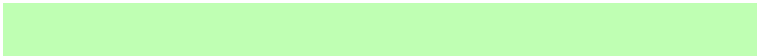


# Same Dimension

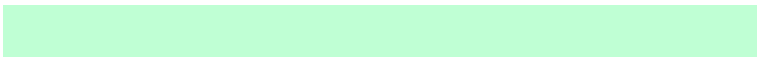
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7028, 0.3155, 0.3995



85.7674, 0.3158, 0.4154



87.3639, 0.2978, 0.3762



20.3050, 0.3139, 0.3534



37.6471, 0.3045, 0.5964



3.7032, 0.3106, 0.5916



# Inverse Universe

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



63.8830, 0.3081, 0.2648



58.3131, 0.3069, 0.2519



64.4404, 0.3316, 0.2861



18.1475, 0.3113, 0.3054



11.3732, 0.2814, 0.1324

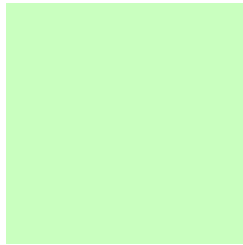


1.1445, 0.2862, 0.1350



# Previews

## White Background



This preview shows how the Yxy color 87.6991, 0.3155, 0.3995 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

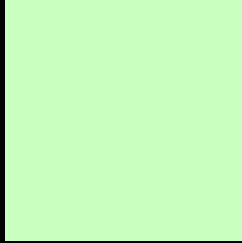
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.6991, 0.3155, 0.3995 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

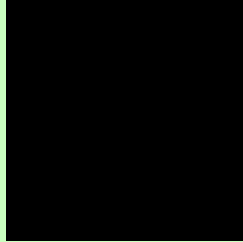
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

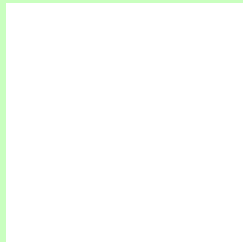
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.6991, 0.3155, 0.3995**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.6991, 0.3155, 0.3995.

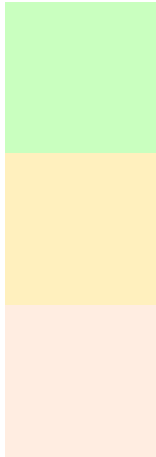


This preview shows how white text looks on a background with the Yxy color 87.6991, 0.3155, 0.3995.

# 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

87.6991, 0.3155, 0.3995

### Protanopia

87.2979, 0.3548, 0.3791

### Deuteranopia

87.2646, 0.3325, 0.3409



## Tritanopia

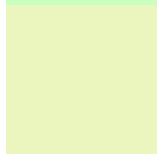
87.3287, 0.2944, 0.3168

# Trichromacy



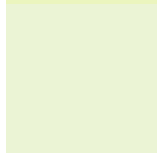
## Original Color

87.6991, 0.3155, 0.3995



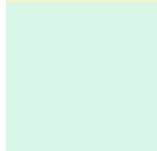
## Protanomaly

86.6847, 0.3397, 0.3864



## Deuteranomaly

87.1676, 0.3257, 0.3611



## Tritanomaly

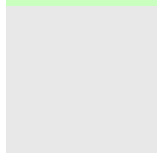
86.9467, 0.3019, 0.3447

# Monochromacy



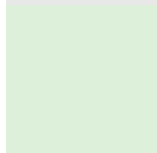
## Original Color

87.6991, 0.3155, 0.3995



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

82.7021, 0.3142, 0.3535

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.6991, 0.3155, 0.3995 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, 255, 191)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 191)  
}
```

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, 255, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 87.6991, 0.3155, 0.3995 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, 255, 191) }
```

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

```
.border{ border-color:rgb(201, 255, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 255, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 191);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.6991, 0.3155, 0.3995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 191) }
```

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

```
.background{ background-color: rgb(201,  
255, 191) }
```

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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