

Converting Colors

$Yxy(87.6624, 0.3055, 0.3852)$

Have a look what the booklet for
Yxy(87.6624, 0.3055, 0.3852)
contains.

Yxy(87.6154, 0.3053, 0.3853)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(87.6154, 0.3053, 0.3853)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFCC
RGB	196, 255, 204
RGB Percent	77%, 100%, 80%
CMY	0.2313, 0.0000, 0.2001
CMYK	0.23, 0.00, 0.20, 0.00
HSL	128°, 100%, 88%
HSV	128°, 23%, 100%
XYZ	69.4238, 87.6154, 70.3561
YIQ	231.5450, -18.7930, -28.3690

Conversions

Conversions Part 2

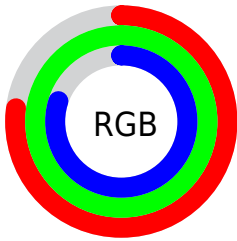
Format	Color
RYB	196, 248, 255
Decimal	12910540
CIELab	95.00, -28.15, 18.47
CIELCh	95, 33.671, 146.730
Yxy	87.6154, 0.3053, 0.3853
Android (android.graphics.Color)	4291100620 (0xFFC4FFCC)
YUV	231.5450, -13.5797, -31.1730
Hunter-Lab	93.6031, -31.4151, 20.9573

Details

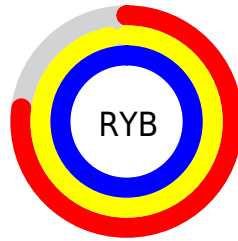
The Yxy color **87.6154, 0.3053, 0.3853** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.4668, 0.3211, 0.2785**, and the grayscale version is **80.4528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **48.2529, 0.3027, 0.3982** is the 20% darker color. If you saturate the color by 10%, you get **83.4973, 0.3022, 0.4144**, and if you desaturate by 10%, it is **92.4663, 0.3085, 0.3590**.

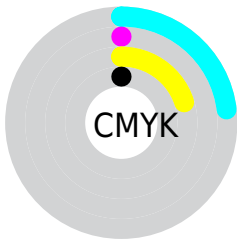
Distribution



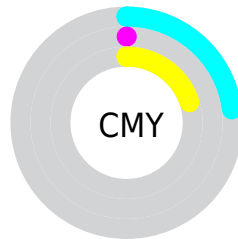
- Red (77%)
- Green (100%)
- Blue (80%)



- Red (77%)
- Yellow (97%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.6154, 0.3053, 0.3853 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 87.6154, 0.3053, 0.3853 by changing the saturation by 10% instead.


 87.6154, 0.3053,
0.3853

 87.6154, 0.3053,
0.3853

520.2429, 0.3091,
0.3591

 66.0046, 0.3043,
0.3913

144.0216, 0.3067,
0.3762

 48.2761, 0.3031,
0.3987

179.5858, 0.3072,
0.3727

 34.0456, 0.3015,
0.4082


220.5699, 0.3077,
0.3696

 22.9286, 0.2992,
0.4205

267.3583, 0.3080,
0.3670

 14.5408, 0.2959,
0.4373

320.3354, 0.3084,
0.3646

 8.4978, 0.2908,
0.4615

379.8856, 0.3087,

 4.4151, 0.2819,

0.3626

0.4991

446.3933, 0.3089,
0.3608

■ 1.9084, 0.2689,
0.5753

■ 0.5534, 0.0000,
1.0000

■ 87.6154, 0.3053,
0.3853

■ 87.6154, 0.3053,
0.3853

■ 83.4973, 0.3022,
0.4144

■ 92.4663, 0.3085,
0.3590

■ 80.0738, 0.2993,
0.4457

■ 98.0806, 0.3117,
0.3357

■ 77.3071, 0.2970,
0.4782

■ 100.0000, 0.3127,
0.3290

■ 75.1548, 0.2954,
0.5102

■ 73.5694, 0.2947,
0.5396

■ 72.4964, 0.2951,
0.5643

■ 71.8701, 0.2965,
0.5827

■ 71.6376, 0.2976,
0.5913

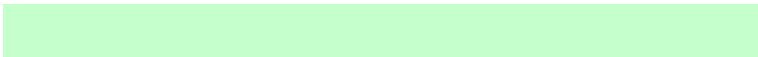
Harmonies

Analogous

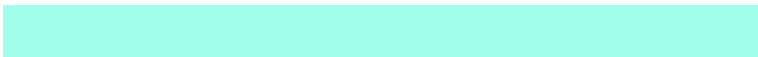
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6154, 0.3432, 0.3976



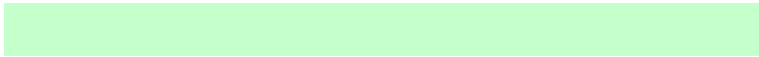
87.6154, 0.3053, 0.3853



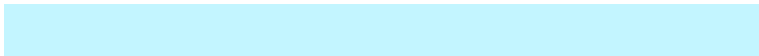
87.6154, 0.2709, 0.3546

Triad

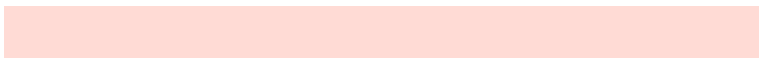
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6154, 0.3053, 0.3853



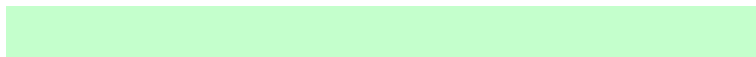
87.6154, 0.2532, 0.2697



87.6154, 0.3815, 0.3343

Complementary

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



87.6154, 0.3053, 0.3853



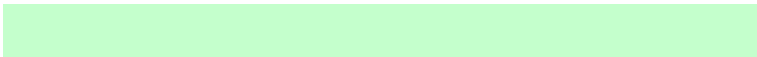
67.4668, 0.3211, 0.2785

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.



87.6154, 0.3545, 0.3042



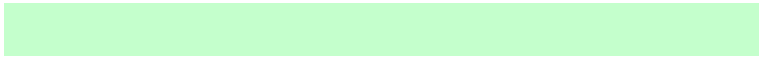
87.6154, 0.3053, 0.3853



87.6154, 0.2797, 0.2681

Square

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



87.6154, 0.3053, 0.3853



87.6154, 0.2421, 0.2867



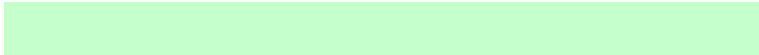
87.6154, 0.3166, 0.2806



87.6154, 0.3886, 0.3649

Rectangle

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



87.6154, 0.3053, 0.3853



87.6154, 0.2541, 0.3296



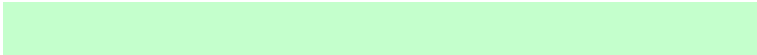
87.6154, 0.3166, 0.2806



87.6154, 0.3744, 0.3239

Sweetspot

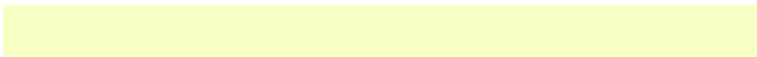
The Sweet Spot groups the original color and five complimentary colors.



87.6162, 0.3053, 0.3853



95.8152, 0.3105, 0.3444



95.3052, 0.3425, 0.3880



20.4350, 0.3103, 0.3457



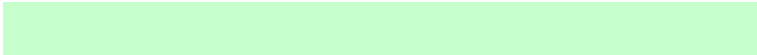
0.0000, 0.0000, 0.0000



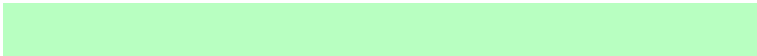
21.4041, 0.3127, 0.3290

Same Dimension

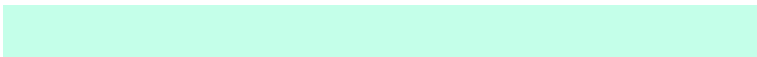
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6162, 0.3053, 0.3853



85.5211, 0.3037, 0.3991



89.1628, 0.2895, 0.3522



20.2080, 0.3097, 0.3502



37.4443, 0.2971, 0.5896



3.6575, 0.2926, 0.5734

Inverse Universe

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



67.4668, 0.3211, 0.2785



61.9908, 0.3232, 0.2677



65.7915, 0.3434, 0.3070



18.2558, 0.3159, 0.3087



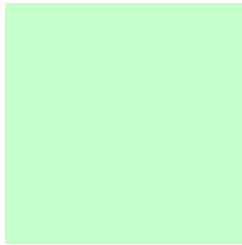
13.8430, 0.3582, 0.1747



1.3590, 0.3533, 0.1720

Previews

White Background



This preview shows how the Yxy color 87.6154, 0.3053, 0.3853 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 87.6154, 0.3053, 0.3853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

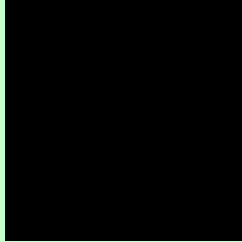
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

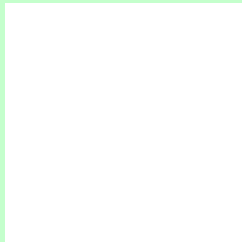
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6154, 0.3053, 0.3853

Background



This preview shows how black text looks on a background with the Yxy color 87.6154, 0.3053, 0.3853.

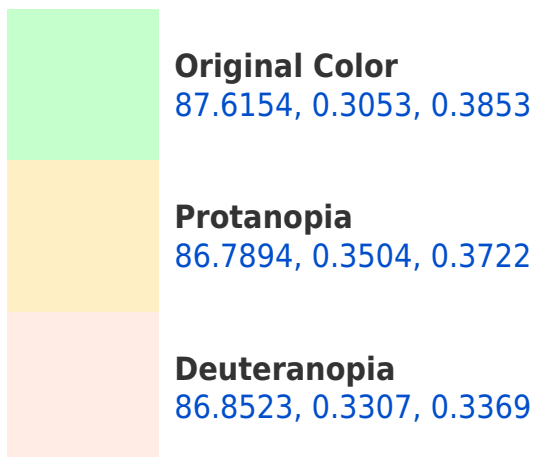


This preview shows how white text looks on a background with the Yxy color 87.6154, 0.3053, 0.3853.

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

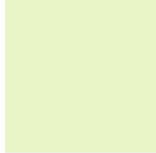
87.4510, 0.2926, 0.3178

Trichromacy



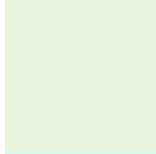
Original Color

87.6154, 0.3053, 0.3853



Protanomaly

86.7520, 0.3328, 0.3771



Deuteranomaly

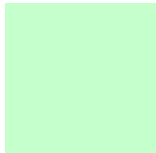
86.7081, 0.3214, 0.3538



Tritanomaly

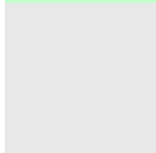
87.3371, 0.2978, 0.3416

Monochromacy



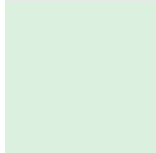
Original Color

87.6154, 0.3053, 0.3853



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.6542, 0.3099, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6154, 0.3053, 0.3853 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 87.6154, 0.3053, 0.3853 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, 204) }
```

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

```
.border{ border-color:rgb(196, 255, 204) }
```

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, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6154, 0.3053, 0.3853 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, 204) }
```

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

```
.background{ background-color: rgb(196,  
255, 204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor