

Converting Colors

$Yxy(87.6273, 0.3211, 0.4083)$

Have a look what the booklet for
Yxy(87.6273, 0.3211, 0.4083)
contains.

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Color

Yxy(87.6354, 0.3212, 0.4083)

Conversions

Conversions Part 1

Format	Color
Hex	CBFFB7
RGB	203, 255, 183
RGB Percent	80%, 100%, 72%
CMY	0.2038, 0.0000, 0.2825
CMYK	0.20, 0.00, 0.28, 0.00
HSL	103°, 100%, 86%
HSV	103°, 28%, 100%
XYZ	68.9407, 87.6354, 58.0587
YIQ	231.2440, -7.8800, -33.4160

Conversions

Conversions Part 2

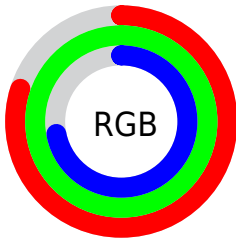
Format	Color
RYB	183, 255, 235
Decimal	13369271
CIELab	95.01, -29.24, 29.21
CIElCh	95, 41.328, 135.024
Yxy	87.6354, 0.3212, 0.4083
Android (android.graphics.Color)	4291559351 (0xFFCBBFB7)
YUV	231.2440, -23.7843, -24.7700
Hunter-Lab	93.6138, -32.3700, 28.7583

Details

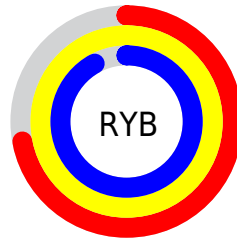
The Yxy color **87.6354, 0.3212, 0.4083** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.7188, 0.3006, 0.2551**, and the grayscale version is **80.2926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **48.2958, 0.3217, 0.4264** is the 20% darker color. If you saturate the color by 10%, you get **84.2405, 0.3233, 0.4407**, and if you desaturate by 10%, it is **91.5366, 0.3185, 0.3778**.

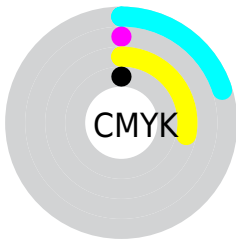
Distribution



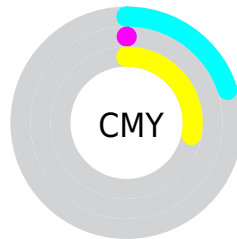
- Red (80%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (92%)



- Cyan (20%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6354, 0.3212, 0.4083 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 87.6354, 0.3212, 0.4083 by changing the saturation by 10% instead.


 87.6354, 0.3212,
0.4083

 87.6354, 0.3212,
0.4083


520.3085, 0.3183,
0.3713

 66.0212, 0.3216,
0.4168


 144.0495, 0.3204,
0.3954

 48.2896, 0.3219,
0.4273


179.6180, 0.3201,
0.3904

 34.0563, 0.3221,
0.4406


220.6069, 0.3197,
0.3861

 22.9368, 0.3220,
0.4579

267.4004, 0.3194,
0.3824

 14.5469, 0.3212,
0.4813

320.3829, 0.3191,
0.3791

 8.5020, 0.3187,
0.5145

379.9388, 0.3188,

 4.4178, 0.3117,

0.3762

0.5641

446.4525, 0.3186,
0.3736

1.9099, 0.3119,
0.6881

0.5543, 0.0000,
1.0000

87.6354, 0.3212,
0.4083

87.6354, 0.3212,
0.4083

84.2405, 0.3233,
0.4407

91.5366, 0.3185,
0.3778


81.3194, 0.3246,
0.4739


95.9524, 0.3154,
0.3499

78.8533, 0.3247,
0.5063


99.9995, 0.3127,
0.3290

76.8175, 0.3235,
0.5359

 75.1847, 0.3208,
0.5605

 73.9242, 0.3168,
0.5786

 72.9971, 0.3120,
0.5896

 72.8622, 0.3112,
0.5911

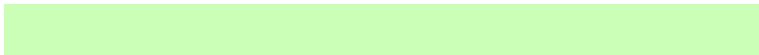
Harmonies

Analogous

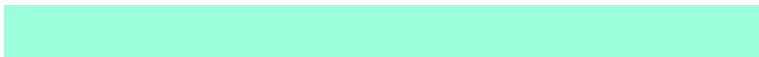
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6354, 0.3658, 0.4119



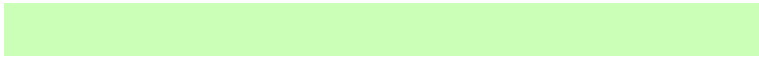
87.6354, 0.3212, 0.4083



87.6354, 0.2763, 0.3776

Triad

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



87.6354, 0.3212, 0.4083



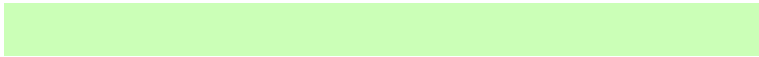
87.6354, 0.2331, 0.2624



87.6354, 0.3868, 0.3200

Complementary

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



87.6354, 0.3212, 0.4083



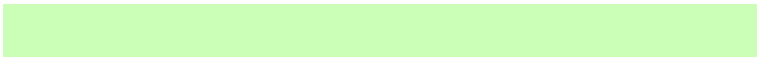
58.7188, 0.3006, 0.2551

Split Complementary

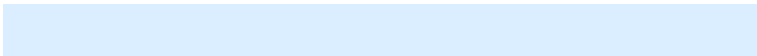
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6354, 0.3463, 0.2865



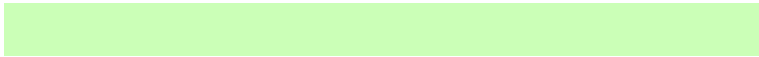
87.6354, 0.3212, 0.4083



87.6354, 0.2580, 0.2540

Square

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



87.6354, 0.3212, 0.4083



87.6354, 0.2277, 0.2895



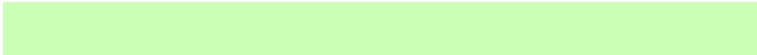
87.6354, 0.2986, 0.2630



87.6354, 0.4058, 0.3574

Rectangle

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



87.6354, 0.3212, 0.4083



87.6354, 0.2522, 0.3475



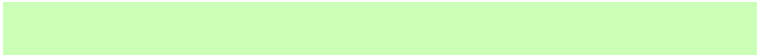
87.6354, 0.2986, 0.2630



87.6354, 0.3751, 0.3081

Sweetspot

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



87.6392, 0.3212, 0.4083



96.0706, 0.3153, 0.3493



83.8583, 0.3608, 0.3812



20.4132, 0.3158, 0.3533



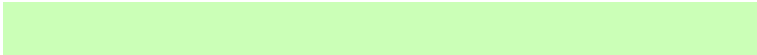
0.0000, 0.0000, 0.0000



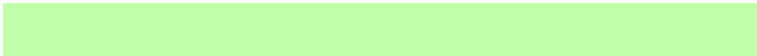
21.4041, 0.3127, 0.3290

Same Dimension

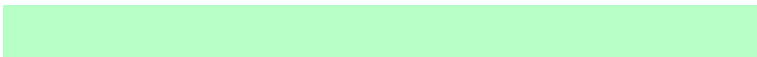
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6392, 0.3212, 0.4083



85.6261, 0.3225, 0.4267



85.6855, 0.3005, 0.3929



20.4132, 0.3158, 0.3533



38.1361, 0.3122, 0.5903



3.7651, 0.3202, 0.5840

Inverse Universe

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



58.7188, 0.3006, 0.2551



52.2970, 0.2974, 0.2393



61.3657, 0.3279, 0.2726



18.0310, 0.3093, 0.3053



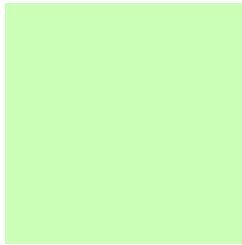
9.1705, 0.2512, 0.1157



0.9477, 0.2594, 0.1203

Previews

White Background



This preview shows how the Yxy color 87.6354, 0.3212, 0.4083 looks on a white background.

Color Contrast Check

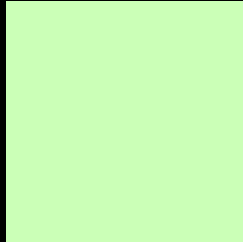
Large Text (above 18pt) WCAG AA × Fail

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 87.6354, 0.3212, 0.4083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

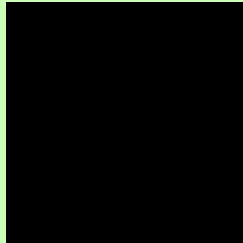
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

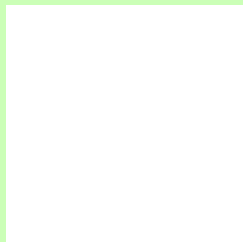
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6354, 0.3212, 0.4083

Background



This preview shows how black text looks on a background with the Yxy color 87.6354, 0.3212, 0.4083.

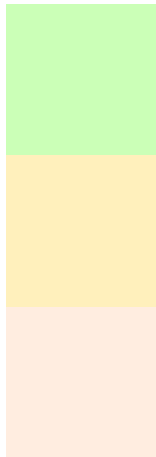


This preview shows how white text looks on a background with the Yxy color 87.6354, 0.3212, 0.4083.

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

87.6354, 0.3212, 0.4083

Protanopia

87.2110, 0.3561, 0.3812

Deuteranopia

87.2102, 0.3332, 0.3419



Tritanopia

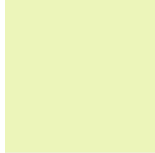
87.4899, 0.2950, 0.3168

Trichromacy



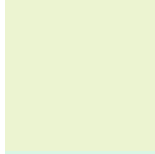
Original Color

87.6354, 0.3212, 0.4083



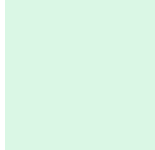
Protanomaly

86.6829, 0.3429, 0.3905



Deuteranomaly

87.1377, 0.3288, 0.3652



Tritanomaly

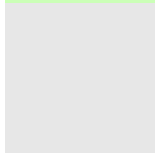
87.0841, 0.3049, 0.3479

Monochromacy



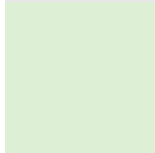
Original Color

87.6354, 0.3212, 0.4083



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.5474, 0.3160, 0.3568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6354, 0.3212, 0.4083 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(203, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 183)  
}
```

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(203, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 183) }
```

Border

The CSS property to change the border of an element to Yxy 87.6354, 0.3212, 0.4083 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(203, 255, 183) }
```

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

```
.border{ border-color:rgb(203, 255, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6354, 0.3212, 0.4083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 183) }
```

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

```
.background{ background-color: rgb(203,  
255, 183) }
```

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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