

Converting Colors

$Yxy(89.8191, 0.3152, 0.3973)$

Have a look what the booklet for
Yxy(89.8191, 0.3152, 0.3973)
contains.

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Color

Yxy(88.2975, 0.3151, 0.3946)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFC3
RGB	204, 255, 195
RGB Percent	80%, 100%, 76%
CMY	0.2001, 0.0000, 0.2353
CMYK	0.20, 0.00, 0.24, 0.00
HSL	111°, 100%, 88%
HSV	111°, 24%, 100%
XYZ	70.5082, 88.2975, 64.9589
YIQ	232.9110, -11.1360, -29.4720

Conversions

Conversions Part 2

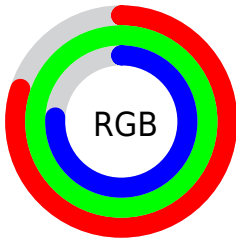
Format	Color
R _Y B	195, 255, 246
Decimal	13434819
CIE Lab	95.29, -27.06, 23.51
CIE LCh	95, 35.842, 139.018
Yxy	88.2975, 0.3151, 0.3946
Android (android.graphics.Color)	4291624899 (0xFFCCFFC3)
YUV	232.9110, -18.6901, -25.3549
Hunter-Lab	93.9667, -30.5038, 24.7898

Details

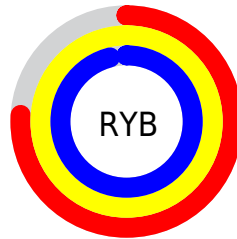
The Yxy color **88.2975, 0.3151, 0.3946** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.8503, 0.3088, 0.2690**, and the grayscale version is **81.5596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **48.7008, 0.3150, 0.4102** is the 20% darker color. If you saturate the color by 10%, you get **84.3846, 0.3156, 0.4273**, and if you desaturate by 10%, it is **92.8289, 0.3142, 0.3646**.

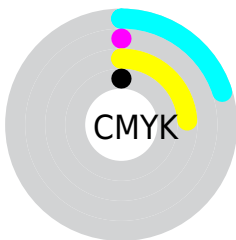
Distribution



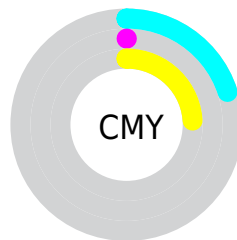
- Red (80%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (96%)



- Cyan (20%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.2975, 0.3151, 0.3946 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 88.2975, 0.3151, 0.3946 by changing the saturation by 10% instead.

 88.2975, 0.3151,
0.3946

 88.2975, 0.3151,
0.3946


522.4770, 0.3147,
0.3641

 66.5695, 0.3150,
0.4016


144.9713, 0.3151,
0.3840

 48.7348, 0.3149,
0.4102

180.6858, 0.3150,
0.3799

 34.4092, 0.3145,
0.4211


221.8313, 0.3150,
0.3763

 23.2081, 0.3138,
0.4354

268.7922, 0.3149,
0.3733

 14.7473, 0.3125,
0.4547

321.9528, 0.3149,
0.3705

 8.6422, 0.3099,
0.4823

381.6975, 0.3148,

 4.5085, 0.3039,

0.3681

0.5245

448.4108, 0.3147,
0.3660

■ 1.9619, 0.3059,
0.6301

■ 0.5852, 0.0000,
1.0000

■ 88.2975, 0.3151,
0.3946

■ 88.2975, 0.3151,
0.3946

■ 84.3846, 0.3156,
0.4273

■ 92.8289, 0.3142,
0.3646

■ 81.0703, 0.3156,
0.4617

■ 98.0123, 0.3131,
0.3377

■ 78.3224, 0.3149,
0.4963

100.0000, 0.3127,
0.3290

■ 76.1088, 0.3135,
0.5290

■ 74.3939, 0.3113,
0.5572

■ 73.1378, 0.3085,
0.5787

■ 72.2938, 0.3054,
0.5922

■ 71.9348, 0.3035,
0.5972

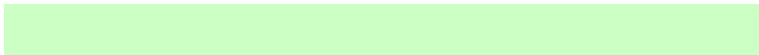
Harmonies

Analogous

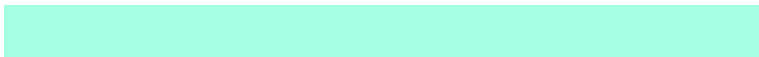
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2975, 0.3544, 0.4015



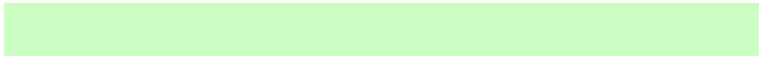
88.2975, 0.3151, 0.3946



88.2975, 0.2767, 0.3659

Triad

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



88.2975, 0.3151, 0.3946



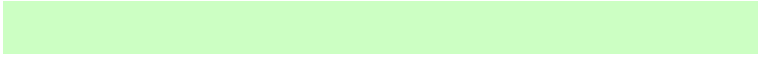
88.2975, 0.2451, 0.2692



88.2975, 0.3802, 0.3259

Complementary

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



88.2975, 0.3151, 0.3946



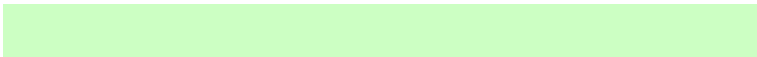
65.8503, 0.3088, 0.2690

Split Complementary

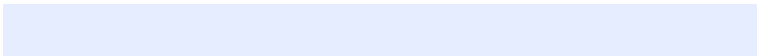
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.2975, 0.3473, 0.2955



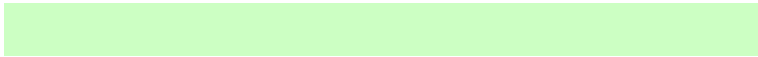
88.2975, 0.3151, 0.3946



88.2975, 0.2692, 0.2635

Square

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



88.2975, 0.3151, 0.3946



88.2975, 0.2380, 0.2911



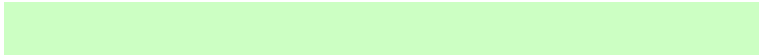
88.2975, 0.3061, 0.2732



88.2975, 0.3936, 0.3588

Rectangle

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



88.2975, 0.3151, 0.3946



88.2975, 0.2567, 0.3398



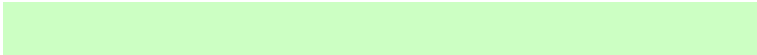
88.2975, 0.3061, 0.2732



88.2975, 0.3709, 0.3152

Sweetspot

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



88.2950, 0.3151, 0.3946



96.1370, 0.3135, 0.3467



91.1125, 0.3503, 0.3797



20.5093, 0.3136, 0.3483



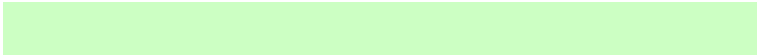
0.0000, 0.0000, 0.0000



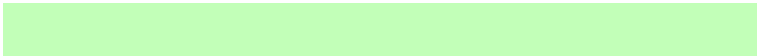
21.4041, 0.3127, 0.3290

Same Dimension

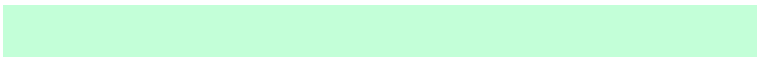
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.2950, 0.3151, 0.3946



86.4704, 0.3154, 0.4089



88.0810, 0.2982, 0.3717



20.2985, 0.3138, 0.3534



37.6263, 0.3042, 0.5967



3.7002, 0.3101, 0.5919

Inverse Universe

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



65.8503, 0.3088, 0.2690



60.6253, 0.3078, 0.2573



66.2335, 0.3309, 0.2899



18.1546, 0.3114, 0.3054



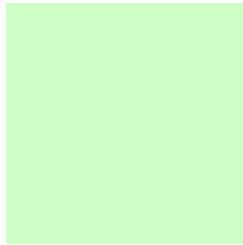
11.5214, 0.2833, 0.1334



1.1575, 0.2878, 0.1359

Previews

White Background



This preview shows how the Yxy color 88.2975, 0.3151, 0.3946 looks on a white background.

Color Contrast Check

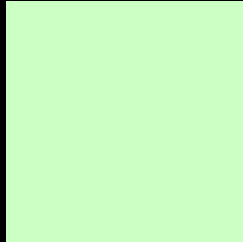
Large Text (above 18pt) WCAG AA × Fail

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 88.2975, 0.3151, 0.3946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

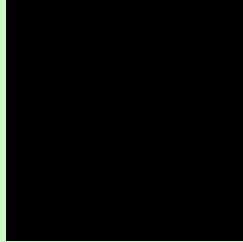
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

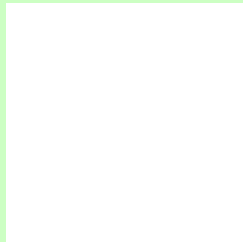
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.2975, 0.3151, 0.3946

Background



This preview shows how black text looks on a background with the Yxy color 88.2975, 0.3151, 0.3946.

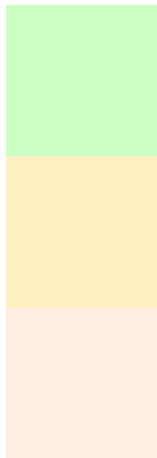


This preview shows how white text looks on a background with the Yxy color 88.2975, 0.3151, 0.3946.

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

88.2975, 0.3151, 0.3946

Protanopia

87.4752, 0.3522, 0.3751

Deuteranopia

87.9551, 0.3311, 0.3399



Tritanopia

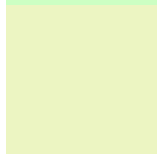
88.2523, 0.2956, 0.3179

Trichromacy



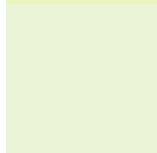
Original Color

88.2975, 0.3151, 0.3946



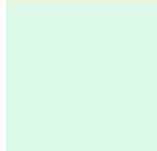
Protanomaly

87.0327, 0.3379, 0.3821



Deuteranomaly

87.4405, 0.3251, 0.3589



Tritanomaly

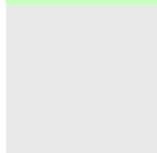
88.0781, 0.3032, 0.3446

Monochromacy



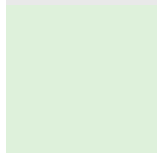
Original Color

88.2975, 0.3151, 0.3946



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.5547, 0.3136, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.2975, 0.3151, 0.3946 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(204, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 195)  
}
```

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(204, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 195) }
```

Border

The CSS property to change the border of an element to Yxy 88.2975, 0.3151, 0.3946 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(204, 255, 195) }
```

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

```
.border{ border-color:rgb(204, 255, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 88.2975, 0.3151, 0.3946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 195) }
```

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

```
.background{ background-color: rgb(204,  
255, 195) }
```

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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