

Converting Colors

$Yxy(89.2983, 0.3042, 0.3721)$

Have a look what the booklet for
Yxy(89.2983, 0.3042, 0.3721)
contains.

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Color

Yxy(89.2637, 0.3040, 0.3721)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFD7
RGB	204, 255, 215
RGB Percent	80%, 100%, 84%
CMY	0.2001, 0.0000, 0.1567
CMYK	0.20, 0.00, 0.16, 0.00
HSL	133°, 100%, 90%
HSV	133°, 20%, 100%
XYZ	72.9271, 89.2637, 77.7009
YIQ	235.1910, -17.5560, -23.2520

Conversions

Conversions Part 2

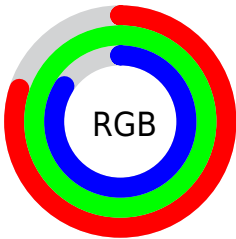
Format	Color
RYB	204, 246, 255
Decimal	13434839
CIELab	95.69, -23.68, 13.84
CIElCh	96, 27.433, 149.690
Yxy	89.2637, 0.3040, 0.3721
Android (android.graphics.Color)	4291624919 (0xFFCCFFD7)
YUV	235.1910, -9.9542, -27.3545
Hunter-Lab	94.4795, -27.5580, 17.3749

Details

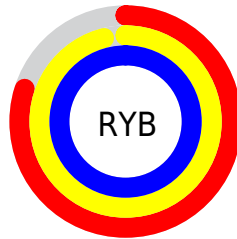
The Yxy color **89.2637, 0.3040, 0.3721** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.9644, 0.3228, 0.2894**, and the grayscale version is **83.3161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3158, 0.3019, 0.3824** is the 20% darker color. If you saturate the color by 10%, you get **84.9850, 0.2998, 0.3976**, and if you desaturate by 10%, it is **94.2560, 0.3084, 0.3492**.

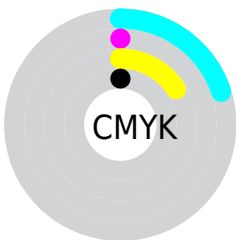
Distribution



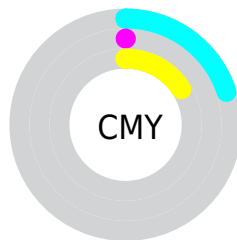
- Red (80%)
- Green (100%)
- Blue (84%)



- Red (80%)
- Yellow (96%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.2637, 0.3040, 0.3721 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 89.2637, 0.3040, 0.3721 by changing the saturation by 10% instead.


 89.2637, 0.3040,
0.3721

 89.2637, 0.3040,
0.3721


525.6328, 0.3082,
0.3523

 67.3701, 0.3030,
0.3766

146.3152, 0.3055,
0.3652

 49.3855, 0.3018,
0.3822


182.2419, 0.3061,
0.3626

 34.9254, 0.3002,
0.3892


223.6152, 0.3065,
0.3603

 23.6054, 0.2980,
0.3983

270.8193, 0.3070,
0.3582

 15.0412, 0.2950,
0.4107

324.2388, 0.3073,
0.3565

 8.8483, 0.2906,
0.4283

384.2579, 0.3076,

 4.6423, 0.2834,

0.3549

0.4556

451.2611, 0.3079,
0.3535

■ 2.0390, 0.2698,
0.5026

■ 0.6300, 0.0317,
0.9683

■ 89.2637, 0.3040,
0.3721

■ 89.2637, 0.3040,
0.3721

■ 84.9850, 0.2998,
0.3976

■ 94.2560, 0.3084,
0.3492

■ 81.3892, 0.2960,
0.4253

99.9953, 0.3127,
0.3290

■ 78.4396, 0.2928,
0.4547

100.0000, 0.3127,
0.3290

■ 76.0971, 0.2906,
0.4848

■ 74.3181, 0.2896,
0.5139

■ 73.0532, 0.2900,
0.5405

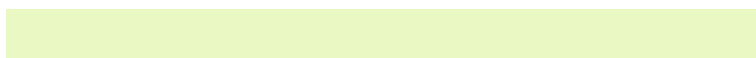
■ 72.2440, 0.2918,
0.5628

■ 71.7985, 0.2944,
0.5798

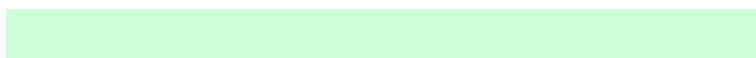
Harmonies

Analogous

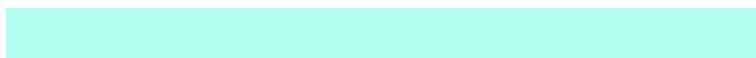
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2637, 0.3349, 0.3839



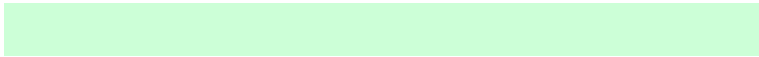
89.2637, 0.3040, 0.3721



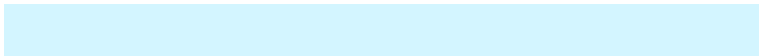
89.2637, 0.2764, 0.3468

Triad

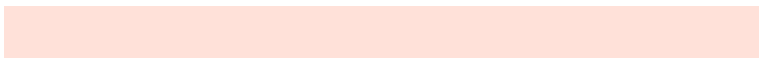
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.2637, 0.3040, 0.3721



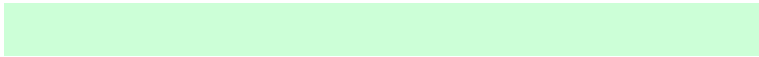
89.2637, 0.2658, 0.2799



89.2637, 0.3696, 0.3364

Complementary

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



89.2637, 0.3040, 0.3721



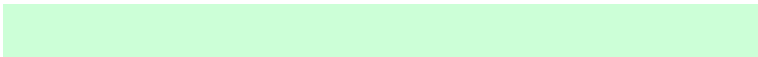
70.9644, 0.3228, 0.2894

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.



89.2637, 0.3492, 0.3112



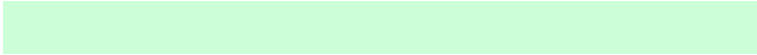
89.2637, 0.3040, 0.3721



89.2637, 0.2887, 0.2795

Square

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



89.2637, 0.3040, 0.3721



89.2637, 0.2552, 0.2930



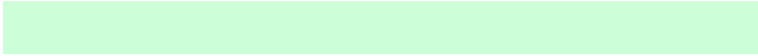
89.2637, 0.3192, 0.2908



89.2637, 0.3737, 0.3611

Rectangle

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



89.2637, 0.3040, 0.3721



89.2637, 0.2634, 0.3269



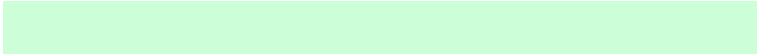
89.2637, 0.3192, 0.2908



89.2637, 0.3644, 0.3277

Sweetspot

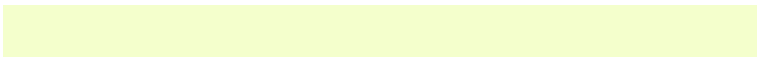
The Sweet Spot groups the original color and five complimentary colors.



89.2629, 0.3040, 0.3721



96.4649, 0.3101, 0.3408



95.1021, 0.3357, 0.3803



20.5686, 0.3098, 0.3422



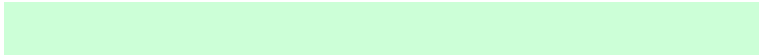
0.0000, 0.0000, 0.0000



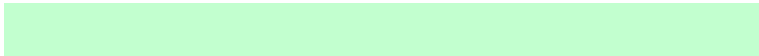
21.4041, 0.3127, 0.3290

Same Dimension

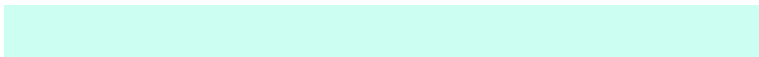
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.2629, 0.3040, 0.3721



87.4711, 0.3023, 0.3820



90.6783, 0.2902, 0.3442



20.2326, 0.3086, 0.3482



37.5340, 0.2937, 0.5774



3.6699, 0.2882, 0.5573

Inverse Universe

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



70.9644, 0.3228, 0.2894



66.1495, 0.3252, 0.2813



69.5212, 0.3416, 0.3144



18.2290, 0.3171, 0.3106



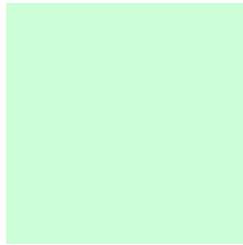
13.3042, 0.3849, 0.1894



1.3113, 0.3761, 0.1845

Previews

White Background



This preview shows how the Yxy color 89.2637, 0.3040, 0.3721 looks on a white background.

Color Contrast Check

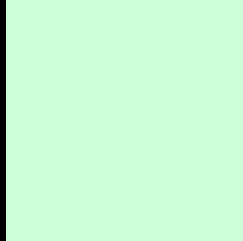
Large Text (above 18pt) WCAG AA × Fail

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 89.2637, 0.3040, 0.3721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

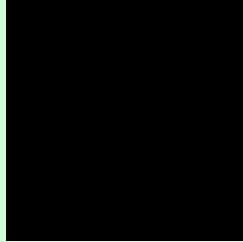
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

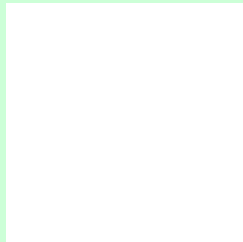
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.2637, 0.3040, 0.3721

Background



This preview shows how black text looks on a background with the Yxy color 89.2637, 0.3040, 0.3721.

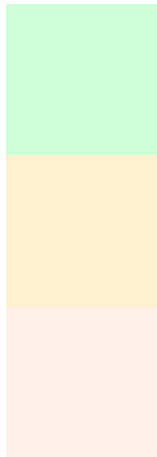


This preview shows how white text looks on a background with the Yxy color 89.2637, 0.3040, 0.3721.

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

89.2637, 0.3040, 0.3721

Protanopia

88.5355, 0.3422, 0.3620

Deuteranopia

88.8762, 0.3272, 0.3349



Tritanopia

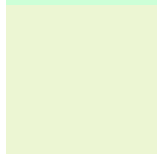
89.0188, 0.2962, 0.3189

Trichromacy



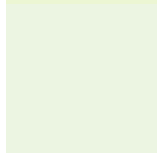
Original Color

89.2637, 0.3040, 0.3721



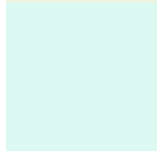
Protanomaly

88.4476, 0.3273, 0.3651



Deuteranomaly

88.6287, 0.3183, 0.3484



Tritanomaly

89.1027, 0.2992, 0.3383

Monochromacy



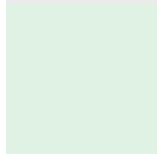
Original Color

89.2637, 0.3040, 0.3721



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.9530, 0.3094, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.2637, 0.3040, 0.3721 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 215) }
```

Border

The CSS property to change the border of an element to Yxy 89.2637, 0.3040, 0.3721 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, 215) }
```

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

```
.border{ border-color:rgb(204, 255, 215) }
```

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, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 89.2637, 0.3040, 0.3721 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, 215) }
```

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

```
.background{ background-color: rgb(204,  
255, 215) }
```

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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