

Converting Colors

$Y_{xy}(100.0000, 0.2948, 0.3908)$

Have a look what the booklet for
Yxy(100.0000, 0.2948, 0.3908)
contains.

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Color

Yxy(87.2967, 0.2947, 0.3721)

Conversions

Conversions Part 1

Format	Color
Hex	<code>BDFFD8</code>
RGB	189, 255, 216
RGB Percent	74%, 100%, 85%
CMY	0.2589, 0.0000, 0.1529
CMYK	0.26, 0.00, 0.15, 0.00
HSL	145°, 100%, 87%
HSV	145°, 26%, 100%
XYZ	69.1382, 87.2967, 78.1705
YIQ	230.8200, -26.8170, -26.1210

Conversions

Conversions Part 2

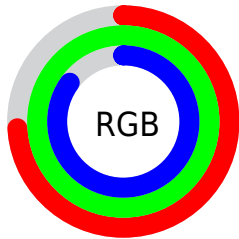
Format	Color
R _Y B	189, 236, 255
Decimal	12451800
CIE Lab	94.86, -28.19, 12.06
CIE LCh	95, 30.661, 156.837
Yxy	87.2967, 0.2947, 0.3721
Android (android.graphics.Color)	4290641880 (0xFFBDDFFD8)
YUV	230.8200, -7.3063, -36.6761
Hunter-Lab	93.4327, -31.4210, 15.7979

Details

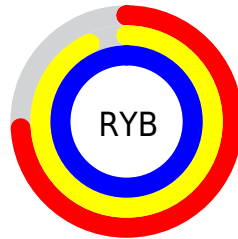
The Yxy color **87.2967, 0.2947, 0.3721** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.2509, 0.3362, 0.2896**, and the grayscale version is **79.8371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **48.0297, 0.2904, 0.3825** is the 20% darker color. If you saturate the color by 10%, you get **83.5722, 0.2885, 0.3920**, and if you desaturate by 10%, it is **91.6629, 0.3015, 0.3540**.

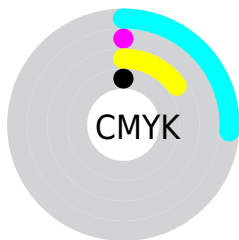
Distribution



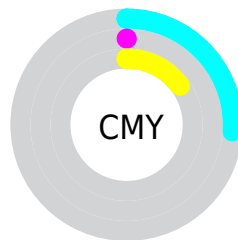
- Red (74%)
- Green (100%)
- Blue (85%)



- Red (74%)
- Yellow (93%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)



- Cyan (26%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2967, 0.2947, 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 87.2967, 0.2947, 0.3721 by changing the saturation by 10% instead.

 87.2967, 0.2947,
0.3721

 87.2967, 0.2947,
0.3721

519.1973, 0.3031,
0.3522

 65.7408, 0.2928,
0.3767

 143.5776, 0.2976,
0.3652

 48.0620, 0.2904,
0.3823

179.0714, 0.2987,
0.3625

 33.8760, 0.2874,
0.3894


219.9799, 0.2997,
0.3602

 22.7983, 0.2834,
0.3987


266.6875, 0.3006,
0.3582

 14.4447, 0.2780,
0.4114

319.5787, 0.3013,
0.3564

 8.4306, 0.2702,
0.4296

379.0378, 0.3020,

 4.3717, 0.2580,

0.3548

0.4580

445.4492, 0.3026,
0.3534

■ 1.8836, 0.2363,
0.5079

■ 0.5385, 0.0000,
1.0000

■ 87.2967, 0.2947,
0.3721

■ 87.2967, 0.2947,
0.3721

■ 83.5722, 0.2885,
0.3920

■ 91.6629, 0.3015,
0.3540


■ 80.4619, 0.2831,
0.4136


■ 96.7051, 0.3085,
0.3377

■ 77.9297, 0.2790,
0.4363


■ 100.0000, 0.3127,
0.3290

■ 75.9371, 0.2765,
0.4597

 74.4410, 0.2757,
0.4829

 73.3911, 0.2769,
0.5052

 72.7254, 0.2800,
0.5256

 72.5265, 0.2815,
0.5334

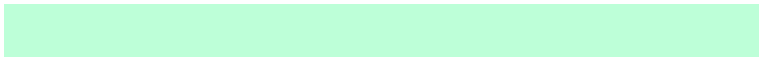
Harmonies

Analogous

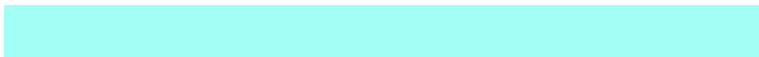
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2967, 0.3293, 0.3897



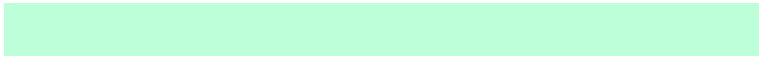
87.2967, 0.2947, 0.3721



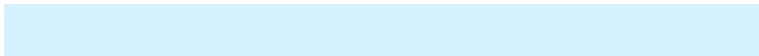
87.2967, 0.2660, 0.3410

Triad

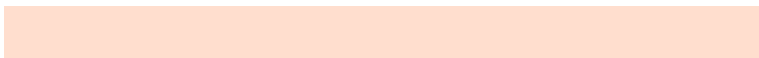
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2967, 0.2947, 0.3721



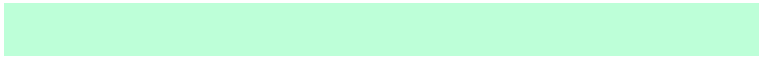
87.2967, 0.2651, 0.2726



87.2967, 0.3798, 0.3438

Complementary

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



87.2967, 0.2947, 0.3721



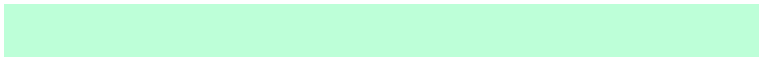
63.2509, 0.3362, 0.2896

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.



87.2967, 0.3607, 0.3153



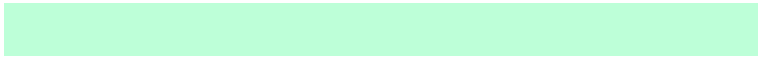
87.2967, 0.2947, 0.3721



87.2967, 0.2933, 0.2756

Square

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



87.2967, 0.2947, 0.3721



87.2967, 0.2497, 0.2837



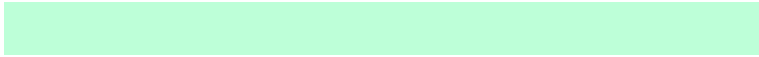
87.2967, 0.3284, 0.2910



87.2967, 0.3795, 0.3705

Rectangle

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



87.2967, 0.2947, 0.3721



87.2967, 0.2537, 0.3185



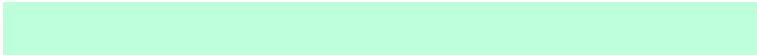
87.2967, 0.3284, 0.2910



87.2967, 0.3754, 0.3342

Sweetspot

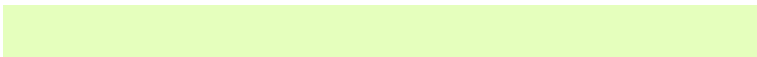
The Sweet Spot groups the original color and five complimentary colors.



87.2952, 0.2947, 0.3721



95.5821, 0.3070, 0.3410



91.7851, 0.3343, 0.3979



20.2914, 0.3059, 0.3434



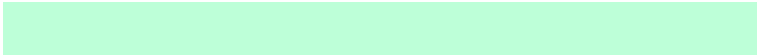
0.0000, 0.0000, 0.0000



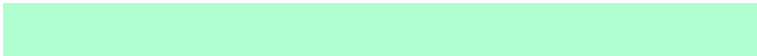
21.4041, 0.3127, 0.3290

Same Dimension

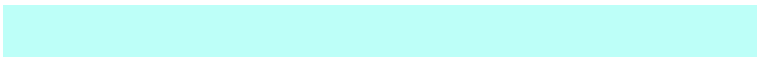
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2952, 0.2947, 0.3721



85.3130, 0.2914, 0.3821



89.1394, 0.2779, 0.3359



20.2914, 0.3059, 0.3434



37.9245, 0.2806, 0.5303



3.7136, 0.2744, 0.5078

Inverse Universe

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



63.2509, 0.3362, 0.2896



57.6001, 0.3422, 0.2815



61.6170, 0.3627, 0.3223



18.1672, 0.3201, 0.3150



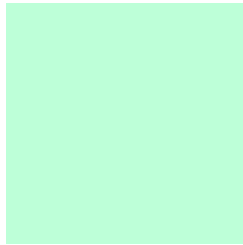
12.3008, 0.4582, 0.2298



1.2194, 0.4382, 0.2188

Previews

White Background



This preview shows how the Yxy color 87.2967, 0.2947, 0.3721 looks on a white background.

Color Contrast Check

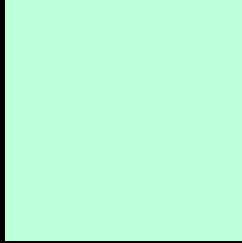
Large Text (above 18pt) WCAG AA × Fail

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 87.2967, 0.2947, 0.3721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

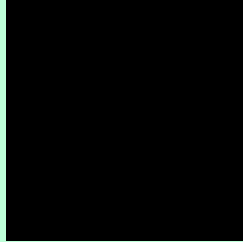
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

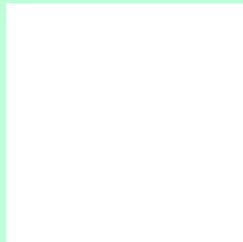
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2967, 0.2947, 0.3721

Background



This preview shows how black text looks on a background with the Yxy color 87.2967, 0.2947, 0.3721.

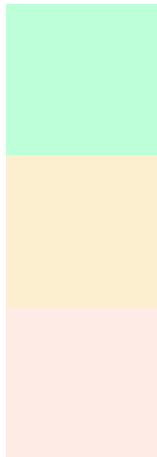


This preview shows how white text looks on a background with the Yxy color 87.2967, 0.2947, 0.3721.

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

87.2967, 0.2947, 0.3721

Protanopia

86.7963, 0.3405, 0.3602

Deuteranopia

86.3898, 0.3295, 0.3340



Tritanopia

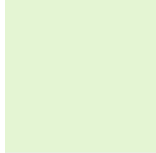
86.9814, 0.2908, 0.3177

Trichromacy



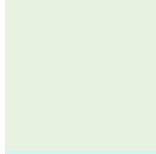
Original Color

87.2967, 0.2947, 0.3721



Protanomaly

86.5019, 0.3221, 0.3647



Deuteranomaly

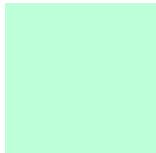
85.9294, 0.3158, 0.3466



Tritanomaly

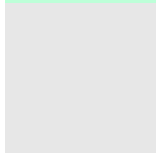
86.8956, 0.2921, 0.3363

Monochromacy



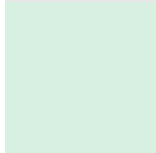
Original Color

87.2967, 0.2947, 0.3721



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.4101, 0.3055, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2967, 0.2947, 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(189, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 216)  
}
```

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(189, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 216) }
```

Border

The CSS property to change the border of an element to Yxy 87.2967, 0.2947, 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(189, 255, 216) }
```

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

```
.border{ border-color:rgb(189, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2967, 0.2947, 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(189, 255, 216) }
```

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

```
.background{ background-color: rgb(189,  
255, 216) }
```

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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