

Converting Colors

Yxy(87.5664, 0.2959, 0.3647)

Have a look what the booklet for
Yxy(87.5664, 0.2959, 0.3647)
contains.

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Color

Yxy(87.8398, 0.2960, 0.3649)

Conversions

Conversions Part 1

Format	Color
Hex	C4FEDD
RGB	196, 254, 221
RGB Percent	77%, 100%, 87%
CMY	0.2315, 0.0039, 0.1332
CMYK	0.23, 0.00, 0.13, 0.00
HSL	146°, 97%, 88%
HSV	146°, 23%, 100%
XYZ	71.2540, 87.8398, 81.6291
YIQ	232.8960, -23.9750, -22.5590

Conversions

Conversions Part 2

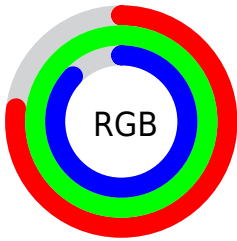
Format	Color
R _{YB}	196, 237, 254
Decimal	12910301
CIE Lab	95.09, -24.64, 9.85
CIE LCh	95, 26.534, 158.203
Yxy	87.8398, 0.2960, 0.3649
Android (android.graphics.Color)	4291100381 (0xFFC4FEDD)
YUV	232.8960, -5.8647, -32.3578
Hunter-Lab	93.7229, -28.3082, 13.9666

Details

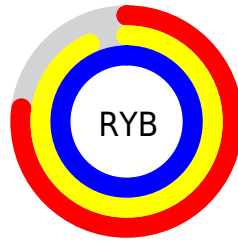
The Yxy color **87.8398, 0.2960, 0.3649** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.1899, 0.3339, 0.2957**, and the grayscale version is **81.4602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **48.3484, 0.2919, 0.3731** is the 20% darker color. If you saturate the color by 10%, you get **83.9849, 0.2893, 0.3835**, and if you desaturate by 10%, it is **92.3448, 0.3032, 0.3481**.

Distribution



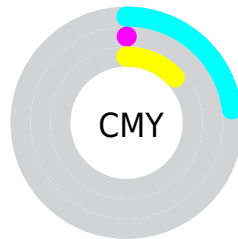
- Red (77%)
- Green (100%)
- Blue (87%)



- Red (77%)
- Yellow (93%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.8398, 0.2960, 0.3649 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 87.8398, 0.2960, 0.3649 by changing the saturation by 10% instead.


 87.8398, 0.2960,
0.3649

 87.8398, 0.2960,
0.3649


520.9785, 0.3037,
0.3484

 66.1904, 0.2943,
0.3686


144.3341, 0.2987,
0.3592

 48.4270, 0.2921,
0.3733


179.9478, 0.2997,
0.3570

 34.1651, 0.2894,
0.3791

220.9851, 0.3006,
0.3550

 23.0205, 0.2858,
0.3867

267.8303, 0.3014,
0.3534

 14.6086, 0.2810,
0.3970

320.8678, 0.3021,
0.3519

 8.5452, 0.2742,
0.4118

380.4821, 0.3027,

 4.4457, 0.2635,

0.3506

0.4345

447.0575, 0.3032,
0.3494

■ 1.9259, 0.2450,
0.4742

■ 0.5639, 0.0000,
1.0000

■ 87.8398, 0.2960,
0.3649

■ 87.8398, 0.2960,
0.3649

■ 83.9849, 0.2893,
0.3835

■ 92.3448, 0.3032,
0.3481

■ 80.7382, 0.2834,
0.4037

■ 97.5173, 0.3106,
0.3330

■ 78.0704, 0.2787,
0.4252

■ 99.3703, 0.3128,
0.3281

■ 75.9447, 0.2754,
0.4476

■ 74.3203, 0.2740,
0.4701

■ 73.1500, 0.2745,
0.4921

■ 72.3771, 0.2769,
0.5128

■ 72.0098, 0.2795,
0.5264

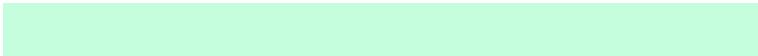
Harmonies

Analogous

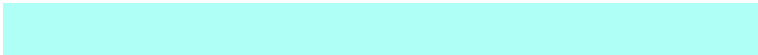
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8398, 0.3259, 0.3807



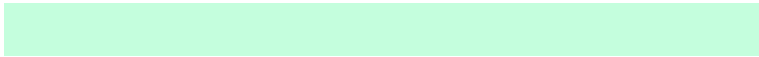
87.8398, 0.2960, 0.3649



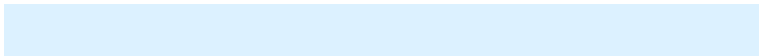
87.8398, 0.2714, 0.3382

Triad

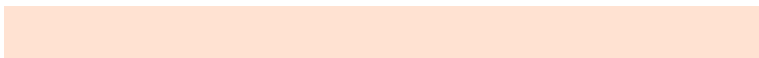
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8398, 0.2960, 0.3649



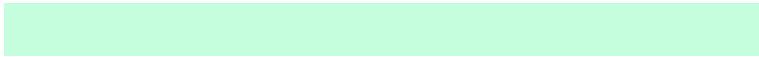
87.8398, 0.2723, 0.2798



87.8398, 0.3709, 0.3434

Complementary

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



87.8398, 0.2960, 0.3649



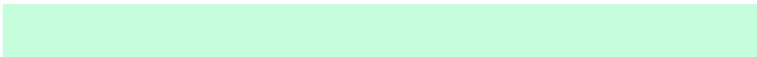
66.1899, 0.3339, 0.2957

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.



87.8398, 0.3552, 0.3184



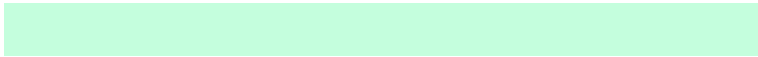
87.8398, 0.2960, 0.3649



87.8398, 0.2974, 0.2828

Square

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



87.8398, 0.2960, 0.3649



87.8398, 0.2582, 0.2892



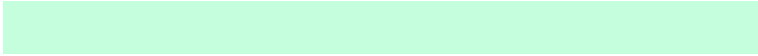
87.8398, 0.3278, 0.2967



87.8398, 0.3700, 0.3662

Rectangle

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



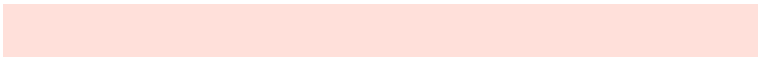
87.8398, 0.2960, 0.3649



87.8398, 0.2609, 0.3190



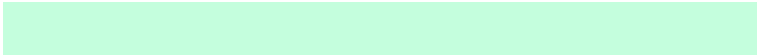
87.8398, 0.3278, 0.2967



87.8398, 0.3673, 0.3350

Sweetspot

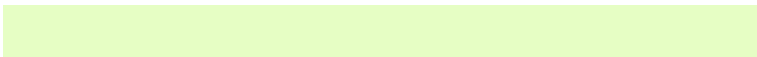
The Sweet Spot groups the original color and five complimentary colors.



87.8435, 0.2960, 0.3649



96.1344, 0.3075, 0.3390



91.6681, 0.3312, 0.3894



20.5088, 0.3070, 0.3399



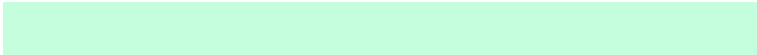
0.0000, 0.0000, 0.0000



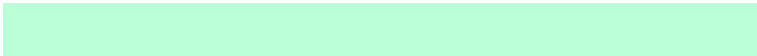
21.4041, 0.3127, 0.3290

Same Dimension

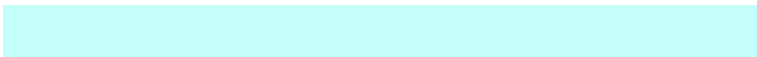
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8435, 0.2960, 0.3649



86.9300, 0.2931, 0.3724



89.4715, 0.2812, 0.3340



20.2984, 0.3056, 0.3428



37.9892, 0.2787, 0.5233



3.7203, 0.2725, 0.5011

Inverse Universe

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



66.1899, 0.3339, 0.2957



61.8916, 0.3387, 0.2894



64.7438, 0.3561, 0.3241



18.1600, 0.3205, 0.3156



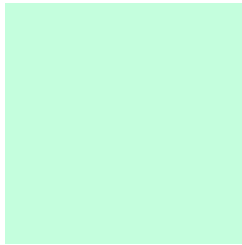
12.2053, 0.4677, 0.2350



1.2103, 0.4463, 0.2232

Previews

White Background



This preview shows how the Yxy color 87.8398, 0.2960, 0.3649 looks on a white background.

Color Contrast Check

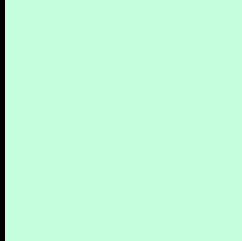
Large Text (above 18pt) WCAG AA × Fail

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 87.8398, 0.2960, 0.3649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

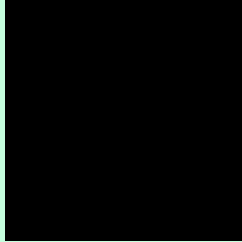
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

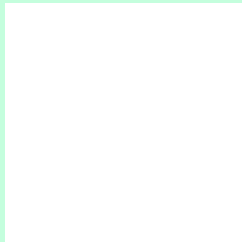
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.8398, 0.2960, 0.3649

Background



This preview shows how black text looks on a background with the Yxy color 87.8398, 0.2960, 0.3649.

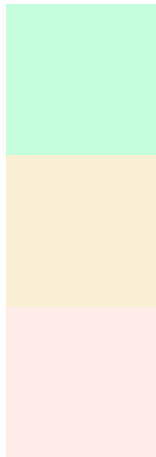


This preview shows how white text looks on a background with the Yxy color 87.8398, 0.2960, 0.3649.

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

87.8398, 0.2960, 0.3649

Protanopia

87.0463, 0.3372, 0.3551

Deuteranopia

87.1341, 0.3275, 0.3320



Tritanopia

87.4510, 0.2926, 0.3178

Trichromacy



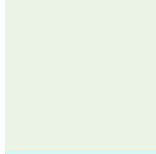
Original Color

87.8398, 0.2960, 0.3649



Protanomaly

86.6482, 0.3212, 0.3581



Deuteranomaly

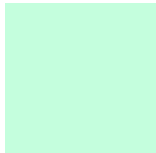
87.2508, 0.3153, 0.3433



Tritanomaly

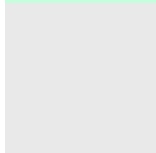
87.7520, 0.2939, 0.3342

Monochromacy



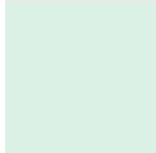
Original Color

87.8398, 0.2960, 0.3649



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.7834, 0.3063, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8398, 0.2960, 0.3649 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, 254, 221)` looks like.

```
.text, #text, p{  
    color:rgb(196, 254, 221)  
}
```

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, 254, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 254, 221) }
```

Border

The CSS property to change the border of an element to Yxy 87.8398, 0.2960, 0.3649 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, 254, 221) }
```

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

```
.border{ border-color:rgb(196, 254, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 254, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 254, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 254, 221);  
box-shadow:4px 4px 4px 4px rgb(196, 254,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8398, 0.2960, 0.3649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 254, 221) }
```

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

```
.background{ background-color: rgb(196,  
254, 221) }
```

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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