

Converting Colors

$Yxy(87.6183, 0.2965, 0.3665)$

Have a look what the booklet for
Yxy(87.6183, 0.2965, 0.3665)
contains.

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Color

Yxy(87.6530, 0.2960, 0.3661)

Conversions

Conversions Part 1

Format	Color
Hex	C3FEDC
RGB	195, 254, 220
RGB Percent	76%, 100%, 86%
CMY	0.2352, 0.0039, 0.1372
CMYK	0.23, 0.00, 0.13, 0.00
HSL	145°, 97%, 88%
HSV	145°, 23%, 100%
XYZ	70.8694, 87.6530, 80.9013
YIQ	232.4830, -24.2500, -23.0820

Conversions

Conversions Part 2

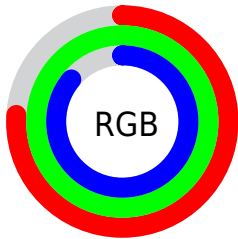
Format	Color
R _{YB}	195, 236, 254
Decimal	12844764
CIE _{Lab}	95.01, -25.12, 10.26
CIE _{LCh}	95, 27.131, 157.783
Yxy	87.6530, 0.2960, 0.3661
Android (android.graphics.Color)	4291034844 (0xFFC3FEDC)
YUV	232.4830, -6.1541, -32.8726
Hunter-Lab	93.6232, -28.7224, 14.3028

Details

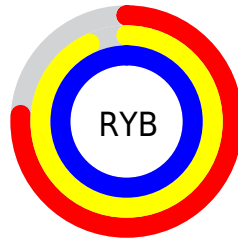
The Yxy color **87.6530, 0.2960, 0.3661** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.7654, 0.3339, 0.2947**, and the grayscale version is **81.1421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **48.2246, 0.2919, 0.3746** is the 20% darker color. If you saturate the color by 10%, you get **83.8138, 0.2894, 0.3851**, and if you desaturate by 10%, it is **92.1429, 0.3031, 0.3489**.

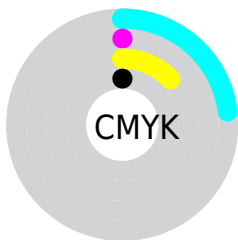
Distribution



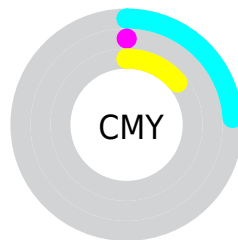
- Red (76%)
- Green (100%)
- Blue (86%)



- Red (76%)
- Yellow (93%)
- Blue (100%)



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



- Cyan (24%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.6530, 0.2960, 0.3661 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 87.6530, 0.2960, 0.3661 by changing the saturation by 10% instead.

87.6530, 0.2960,
0.3661

87.6530, 0.2960,
0.3661

520.3662, 0.3037,
0.3490

66.0357, 0.2942,
0.3700

144.0740, 0.2987,
0.3602

48.3014, 0.2921,
0.3748

179.6464, 0.2997,
0.3579

34.0656, 0.2893,
0.3808

220.6395, 0.3006,
0.3559

22.9440, 0.2858,
0.3887

267.4374, 0.3014,
0.3542

14.5522, 0.2809,
0.3994

320.4246, 0.3021,
0.3526

8.5057, 0.2740,
0.4147

379.9856, 0.3027,

4.4202, 0.2632,

0.3513

446.5047, 0.3032,
0.3501

0.4385

1.9113, 0.2443,
0.4799

0.5552, 0.0000,
1.0000

87.6530, 0.2960,
0.3661

87.6530, 0.2960,
0.3661

83.8138, 0.2894,
0.3851

92.1429, 0.3031,
0.3489

80.5834, 0.2837,
0.4056

97.3013, 0.3103,
0.3336

77.9322, 0.2791,
0.4275

99.3646, 0.3128,
0.3281

75.8232, 0.2759,
0.4502

■ 74.2154, 0.2746,
0.4731

■ 73.0612, 0.2752,
0.4952

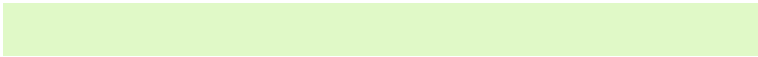
■ 72.3033, 0.2777,
0.5160

■ 71.9597, 0.2802,
0.5289

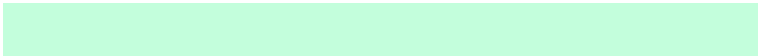
Harmonies

Analogous

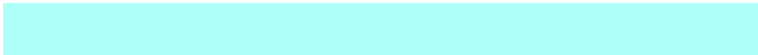
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6530, 0.3266, 0.3821



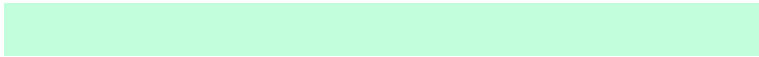
87.6530, 0.2960, 0.3661



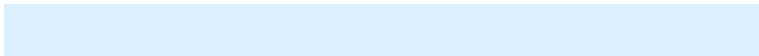
87.6530, 0.2707, 0.3388

Triad

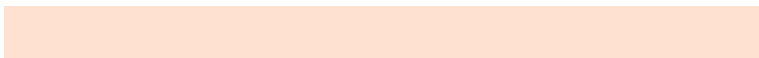
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6530, 0.2960, 0.3661



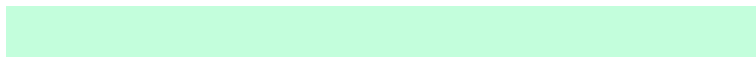
87.6530, 0.2711, 0.2787



87.6530, 0.3721, 0.3433

Complementary

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



87.6530, 0.2960, 0.3661



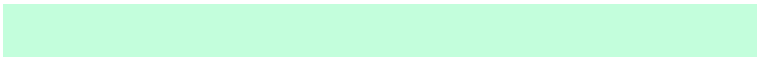
65.7654, 0.3339, 0.2947

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.



87.6530, 0.3558, 0.3177



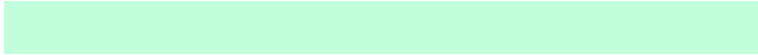
87.6530, 0.2960, 0.3661



87.6530, 0.2966, 0.2817

Square

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



87.6530, 0.2960, 0.3661



87.6530, 0.2569, 0.2884



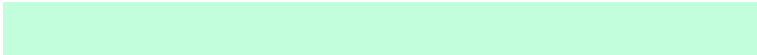
87.6530, 0.3277, 0.2957



87.6530, 0.3715, 0.3667

Rectangle

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



87.6530, 0.2960, 0.3661



87.6530, 0.2599, 0.3191



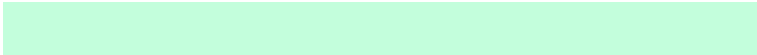
87.6530, 0.3277, 0.2957



87.6530, 0.3684, 0.3347

Sweetspot

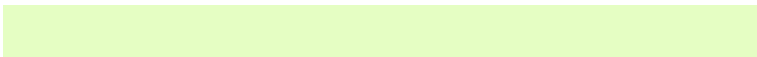
The Sweet Spot groups the original color and five complimentary colors.



87.6567, 0.2960, 0.3661



96.1255, 0.3076, 0.3392



91.5532, 0.3315, 0.3904



20.5067, 0.3071, 0.3401



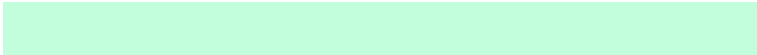
0.0000, 0.0000, 0.0000



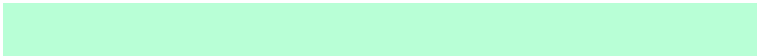
21.4041, 0.3127, 0.3290

Same Dimension

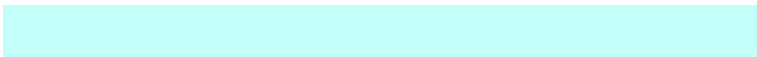
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6567, 0.2960, 0.3661



86.5088, 0.2928, 0.3749



89.3336, 0.2807, 0.3341



20.2959, 0.3058, 0.3430



37.9656, 0.2794, 0.5259



3.7179, 0.2732, 0.5035

Inverse Universe

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



65.7654, 0.3339, 0.2947



60.7972, 0.3395, 0.2873



64.2749, 0.3570, 0.3240



18.1626, 0.3203, 0.3154



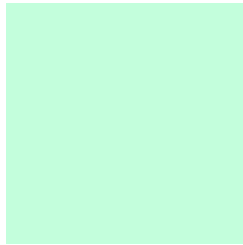
12.2390, 0.4643, 0.2331



1.2135, 0.4434, 0.2216

Previews

White Background



This preview shows how the Yxy color 87.6530, 0.2960, 0.3661 looks on a white background.

Color Contrast Check

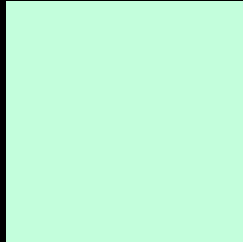
Large Text (above 18pt) WCAG AA × Fail

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 87.6530, 0.2960, 0.3661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

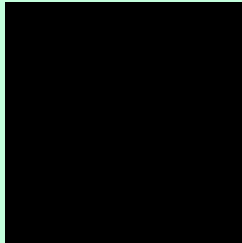
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

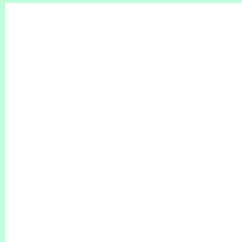
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6530, 0.2960, 0.3661

Background



This preview shows how black text looks on a background with the Yxy color 87.6530, 0.2960, 0.3661.

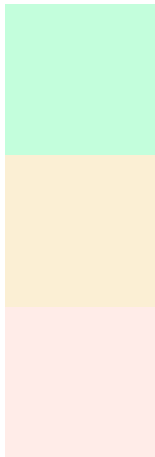


This preview shows how white text looks on a background with the Yxy color 87.6530, 0.2960, 0.3661.

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

87.6530, 0.2960, 0.3661

Protanopia

86.9957, 0.3379, 0.3562

Deuteranopia

87.0771, 0.3281, 0.3330



Tritanopia

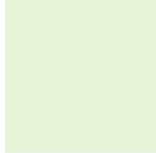
87.2935, 0.2920, 0.3177

Trichromacy



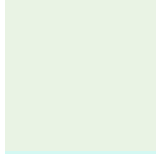
Original Color

87.6530, 0.2960, 0.3661



Protanomaly

86.5966, 0.3218, 0.3592



Deuteranomaly

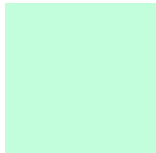
87.0263, 0.3153, 0.3444



Tritanomaly

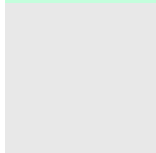
87.5427, 0.2939, 0.3352

Monochromacy



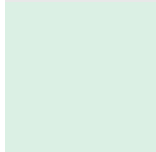
Original Color

87.6530, 0.2960, 0.3661



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.9817, 0.3063, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6530, 0.2960, 0.3661 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(195, 254, 220)` looks like.

```
.text, #text, p{  
    color:rgb(195, 254, 220)  
}
```

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(195, 254, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 254, 220) }
```

Border

The CSS property to change the border of an element to Yxy 87.6530, 0.2960, 0.3661 is called "border". The border property can be set on classes, ids or directly on the HTML element.

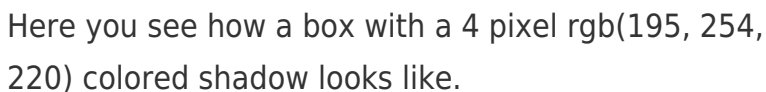
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 254, 220) }
```

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

```
.border{ border-color:rgb(195, 254, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 254, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 254, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 254, 220); box-shadow:4px 4px 4px 4px rgb(195, 254, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6530, 0.2960, 0.3661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 254, 220) }
```

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

```
.background{ background-color: rgb(195,  
254, 220) }
```

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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