

Converting Colors

$Yxy(87.7970, 0.2929, 0.3456)$

Have a look what the booklet for
Yxy(87.7970, 0.2929, 0.3456)
contains.

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Color

Yxy(87.8299, 0.2931, 0.3460)

Conversions

Conversions Part 1

Format	Color
Hex	CCFBEB
RGB	204, 251, 235
RGB Percent	80%, 98%, 92%
CMY	0.1998, 0.0157, 0.0785
CMYK	0.19, 0.00, 0.06, 0.02
HSL	160°, 85%, 89%
HSV	160°, 19%, 98%
XYZ	74.4016, 87.8299, 91.6122
YIQ	235.1230, -22.8760, -14.9400

Conversions

Conversions Part 2

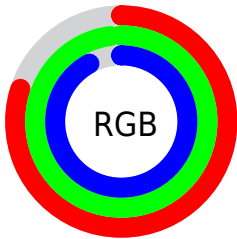
Format	Color
RYB	204, 232, 251
Decimal	13433835
CIELab	95.09, -18.03, 2.72
CIELCh	95, 18.232, 171.413
Yxy	87.8299, 0.2931, 0.3460
Android (android.graphics.Color)	4291623915 (0xFFCCFBEB)
YUV	235.1230, -0.0606, -27.2949
Hunter-Lab	93.7176, -22.2963, 7.6443

Details

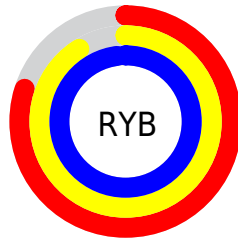
The Yxy color **87.8299, 0.2931, 0.3460** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.8888, 0.3373, 0.3126**, and the grayscale version is **83.1976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2278, 0.2888, 0.3497** is the 20% darker color. If you saturate the color by 10%, you get **84.0838, 0.2834, 0.3564**, and if you desaturate by 10%, it is **92.1787, 0.3034, 0.3365**.

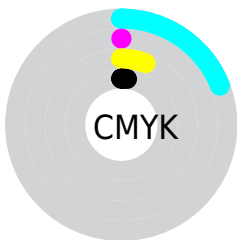
Distribution



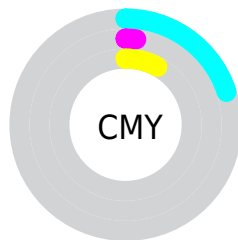
- Red (80%)
- Green (98%)
- Blue (92%)



- Red (80%)
- Yellow (91%)
- Blue (98%)



- Cyan (19%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)



- Cyan (20%)
- Magenta (2%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.8299, 0.2931, 0.3460 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 87.8299, 0.2931, 0.3460 by changing the saturation by 10% instead.

87.8299, 0.2931,
0.3460

87.8299, 0.2931,
0.3460

520.9460, 0.3019,
0.3383

66.1822, 0.2911,
0.3477

144.3203, 0.2961,
0.3434

48.4203, 0.2888,
0.3498

179.9318, 0.2973,
0.3423

34.1599, 0.2858,
0.3524

220.9667, 0.2983,
0.3414

23.0164, 0.2820,
0.3558

267.8094, 0.2992,
0.3407

14.6056, 0.2769,
0.3604

320.8443, 0.3000,
0.3400

8.5431, 0.2698,
0.3668

380.4558, 0.3007,

4.4444, 0.2592,

0.3394

0.3764

447.0282, 0.3013,
0.3388

■ 1.9251, 0.2419,
0.3926

■ 0.5634, 0.0882,
0.5207

■ 87.8299, 0.2931,
0.3460

■ 87.8299, 0.2931,
0.3460

■ 84.0838, 0.2834,
0.3564

■ 92.1787, 0.3034,
0.3365

■ 80.9018, 0.2747,
0.3677

■ 97.1450, 0.3141,
0.3279

■ 78.2577, 0.2672,
0.3798

■ 97.4722, 0.3129,
0.3252

■ 76.1186, 0.2613,
0.3926

■ 74.4483, 0.2573,
0.4057

■ 73.2053, 0.2553,
0.4190

■ 72.3407, 0.2553,
0.4323

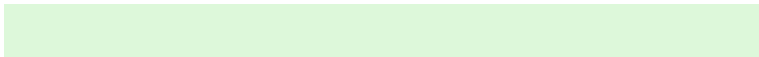
■ 71.7838, 0.2572,
0.4452

■ 71.7221, 0.2575,
0.4469

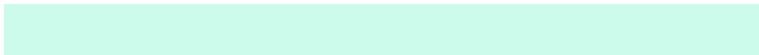
Harmonies

Analogous

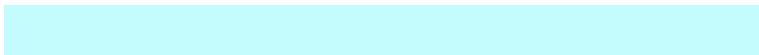
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8299, 0.3129, 0.3605



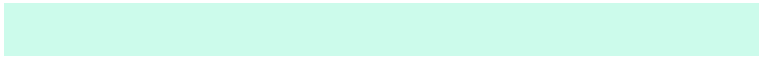
87.8299, 0.2931, 0.3460



87.8299, 0.2788, 0.3269

Triad

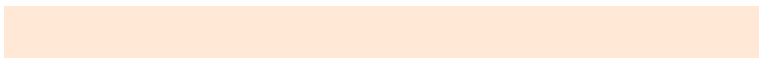
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8299, 0.2931, 0.3460



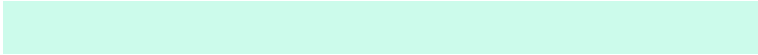
87.8299, 0.2918, 0.2945



87.8299, 0.3537, 0.3468

Complementary

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



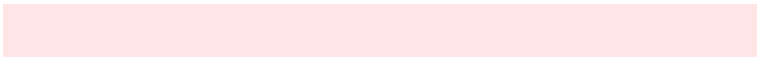
87.8299, 0.2931, 0.3460



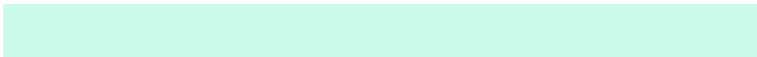
68.8888, 0.3373, 0.3126

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.



87.8299, 0.3477, 0.3296



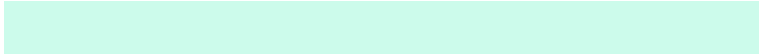
87.8299, 0.2931, 0.3460



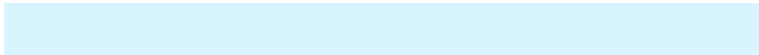
87.8299, 0.3115, 0.3001

Square

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



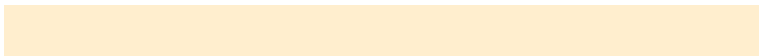
87.8299, 0.2931, 0.3460



87.8299, 0.2780, 0.2976



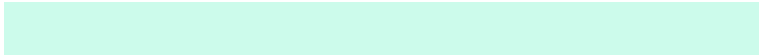
87.8299, 0.3321, 0.3127



87.8299, 0.3482, 0.3602

Rectangle

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



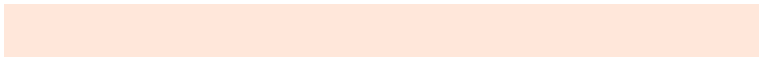
87.8299, 0.2931, 0.3460



87.8299, 0.2741, 0.3146



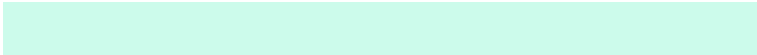
87.8299, 0.3321, 0.3127



87.8299, 0.3530, 0.3413

Sweetspot

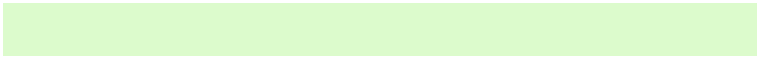
The Sweet Spot groups the original color and five complimentary colors.



87.8336, 0.2931, 0.3460



96.8811, 0.3063, 0.3341



88.6450, 0.3208, 0.3788



20.6669, 0.3056, 0.3347



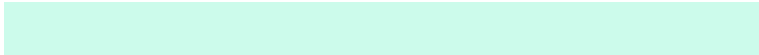
0.0000, 0.0000, 0.0000



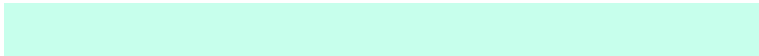
21.4041, 0.3127, 0.3290

Same Dimension

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



87.8336, 0.2931, 0.3460



89.6965, 0.2898, 0.3494



84.4832, 0.2841, 0.3215



19.5021, 0.3026, 0.3372



37.7297, 0.2569, 0.4448



3.5143, 0.2526, 0.4292

Inverse Universe

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



68.8888, 0.3373, 0.3126



67.1249, 0.3427, 0.3096



71.5047, 0.3481, 0.3364



17.3229, 0.3240, 0.3209



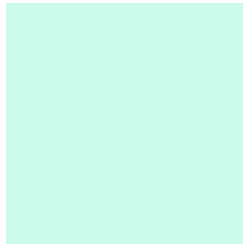
11.1550, 0.5615, 0.2867



1.0522, 0.5282, 0.2684

Previews

White Background



This preview shows how the Yxy color 87.8299, 0.2931, 0.3460 looks on a white background.

Color Contrast Check

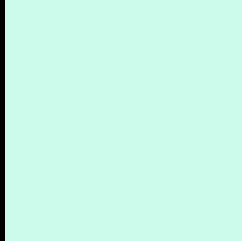
Large Text (above 18pt) WCAG AA × Fail

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 87.8299, 0.2931, 0.3460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

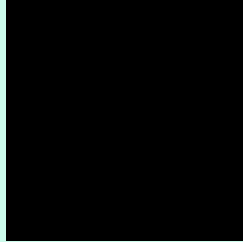
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

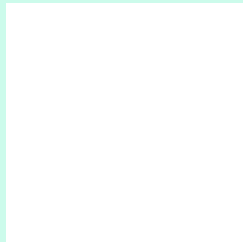
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.8299, 0.2931, 0.3460

Background



This preview shows how black text looks on a background with the Yxy color 87.8299, 0.2931, 0.3460.

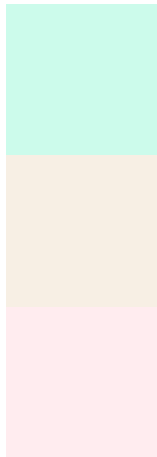


This preview shows how white text looks on a background with the Yxy color 87.8299, 0.2931, 0.3460.

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

87.8299, 0.2931, 0.3460

Protanopia

87.1086, 0.3249, 0.3401

Deuteranopia

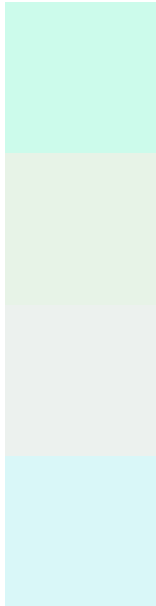
87.4829, 0.3236, 0.3261



Tritanopia

87.7687, 0.2938, 0.3178

Trichromacy



Original Color

87.8299, 0.2931, 0.3460

Protanomaly

86.8596, 0.3121, 0.3413

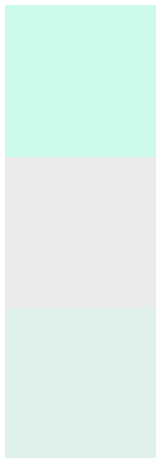
Deuteranomaly

86.9165, 0.3113, 0.3320

Tritanomaly

88.0506, 0.2935, 0.3279

Monochromacy



Original Color

87.8299, 0.2931, 0.3460

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.7560, 0.3053, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8299, 0.2931, 0.3460 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, 251, 235)` looks like.

```
.text, #text, p{  
    color:rgb(204, 251, 235)  
}
```

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, 251, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 251, 235) }
```

Border

The CSS property to change the border of an element to Yxy 87.8299, 0.2931, 0.3460 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, 251, 235) }
```

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

```
.border{ border-color:rgb(204, 251, 235) }
```

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

Here you see how a box with a 4 pixel rgb(204, 251, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 251, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 251, 235);  
box-shadow:4px 4px 4px 4px rgb(204, 251,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8299, 0.2931, 0.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 251, 235) }
```

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

```
.background{ background-color: rgb(204,  
251, 235) }
```

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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