

Converting Colors

Yxy(87.6732, 0.2884, 0.3551)

Have a look what the booklet for
Yxy(87.6732, 0.2884, 0.3551)
contains.

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Color

Yxy(87.6732, 0.2884, 0.3551)

Conversions

Conversions Part 1

Format	Color
Hex	BFEE6
RGB	191, 254, 230
RGB Percent	75%, 100%, 90%
CMY	0.2510, 0.0039, 0.0981
CMYK	0.25, 0.00, 0.09, 0.00
HSL	157°, 97%, 87%
HSV	157°, 25%, 100%
XYZ	71.2052, 87.6732, 88.0189
YIQ	232.4270, -29.8440, -20.8200

Conversions

Conversions Part 2

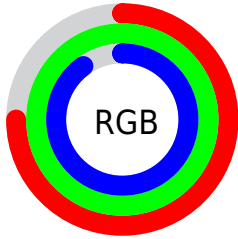
Format	Color
R_{YB}	191, 230, 254
Decimal	12582630
CIE _{Lab}	95.02, -24.44, 5.11
CIE _{LCh}	95, 24.967, 168.190
Yxy	87.6732, 0.2884, 0.3551
Android (android.graphics.Color)	4290772710 (0xFFBFFEE6)
YUV	232.4270, -1.1965, -36.3315
Hunter-Lab	93.6340, -28.1168, 9.8093

Details

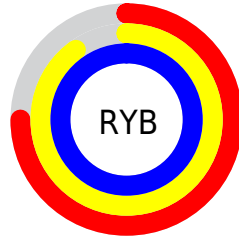
The Yxy color **87.6732, 0.2884, 0.3551** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.2345, 0.3455, 0.3044**, and the grayscale version is **81.0575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **48.2619, 0.2825, 0.3602** is the 20% darker color. If you saturate the color by 10%, you get **84.1355, 0.2797, 0.3675**, and if you desaturate by 10%, it is **91.8194, 0.2979, 0.3438**.

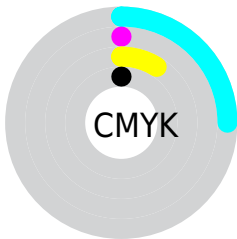
Distribution



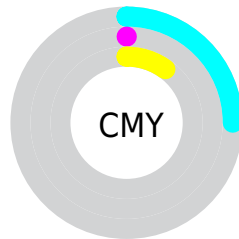
- Red (75%)
- Green (100%)
- Blue (90%)



- Red (75%)
- Yellow (90%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6732, 0.2884, 0.3551 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 87.6732, 0.2884, 0.3551 by changing the saturation by 10% instead.


 87.6732, 0.2884,
0.3551

 87.6732, 0.2884,
0.3551


520.4324, 0.2994,
0.3432

 66.0525, 0.2860,
0.3578


 144.1021, 0.2922,
0.3510

 48.3150, 0.2830,
0.3611


179.6790, 0.2936,
0.3494

 34.0764, 0.2792,
0.3652


220.6768, 0.2949,
0.3480

 22.9523, 0.2744,
0.3706

267.4799, 0.2960,
0.3468

 14.5583, 0.2680,
0.3778

320.4726, 0.2970,
0.3458

 8.5100, 0.2590,
0.3880

380.0393, 0.2979,

 4.4230, 0.2455,

0.3448

0.4036

446.5645, 0.2987,
0.3440

■ 1.9129, 0.2232,
0.4302

■ 0.5561, 0.0000,
0.6914

■ 87.6732, 0.2884,
0.3551

■ 87.6732, 0.2884,
0.3551

■ 84.1355, 0.2797,
0.3675

■ 91.8194, 0.2979,
0.3438

■ 81.1655, 0.2721,
0.3808

■ 96.5912, 0.3078,
0.3335

■ 78.7342, 0.2659,
0.3949

■ 99.3703, 0.3128,
0.3281

■ 76.8055, 0.2615,
0.4096

■ 75.3390, 0.2590,
0.4246

■ 74.2874, 0.2586,
0.4396

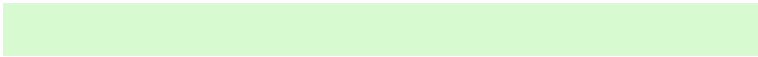
■ 73.5929, 0.2602,
0.4543

■ 73.3306, 0.2616,
0.4617

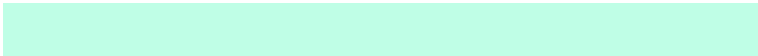
Harmonies

Analogous

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



87.6732, 0.3157, 0.3742



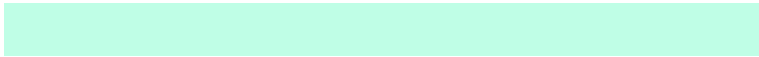
87.6732, 0.2884, 0.3551



87.6732, 0.2681, 0.3286

Triad

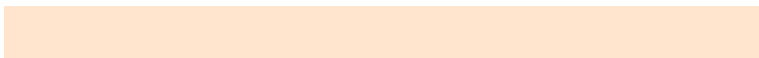
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6732, 0.2884, 0.3551



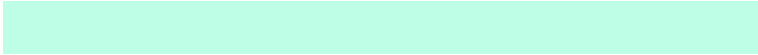
87.6732, 0.2816, 0.2822



87.6732, 0.3690, 0.3504

Complementary

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



87.6732, 0.2884, 0.3551



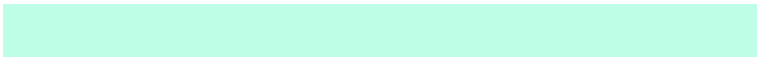
63.2345, 0.3455, 0.3044

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.



87.6732, 0.3591, 0.3268



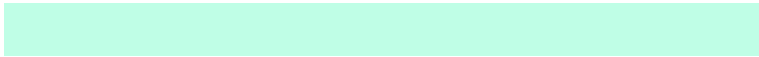
87.6732, 0.2884, 0.3551



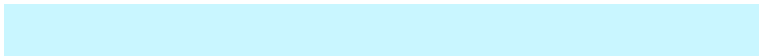
87.6732, 0.3077, 0.2887

Square

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



87.6732, 0.2884, 0.3551



87.6732, 0.2643, 0.2872



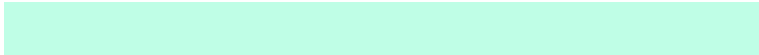
87.6732, 0.3363, 0.3047



87.6732, 0.3629, 0.3698

Rectangle

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



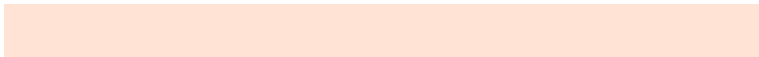
87.6732, 0.2884, 0.3551



87.6732, 0.2610, 0.3113



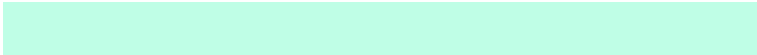
87.6732, 0.3363, 0.3047



87.6732, 0.3674, 0.3427

Sweetspot

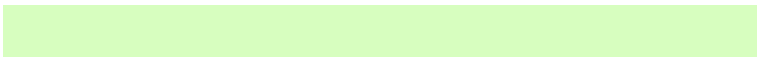
The Sweet Spot groups the original color and five complimentary colors.



87.6768, 0.2884, 0.3551



96.3398, 0.3056, 0.3357



89.1201, 0.3245, 0.3967



20.5564, 0.3050, 0.3363



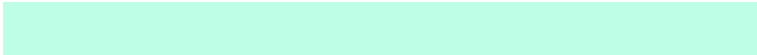
0.0000, 0.0000, 0.0000



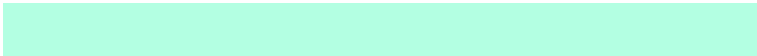
21.4041, 0.3127, 0.3290

Same Dimension

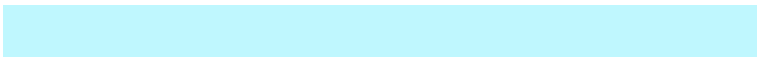
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6768, 0.2884, 0.3551



86.5262, 0.2838, 0.3614



84.5429, 0.2754, 0.3210



20.3572, 0.3031, 0.3382



38.6869, 0.2609, 0.4594



3.7881, 0.2563, 0.4428

Inverse Universe

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



63.2345, 0.3455, 0.3044



57.8377, 0.3546, 0.2990



65.3763, 0.3635, 0.3368



18.1017, 0.3234, 0.3200



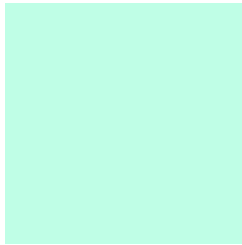
11.5886, 0.5460, 0.2782



1.1488, 0.5153, 0.2612

Previews

White Background



This preview shows how the Yxy color 87.6732, 0.2884, 0.3551 looks on a white background.

Color Contrast Check

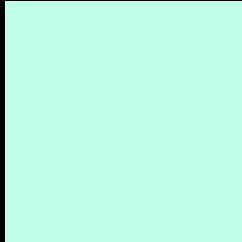
Large Text (above 18pt) WCAG AA × Fail

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 87.6732, 0.2884, 0.3551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

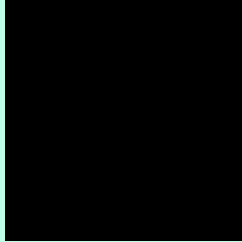
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.6732, 0.2884, 0.3551

Background



This preview shows how black text looks on a background with the Yxy color 87.6732, 0.2884, 0.3551.

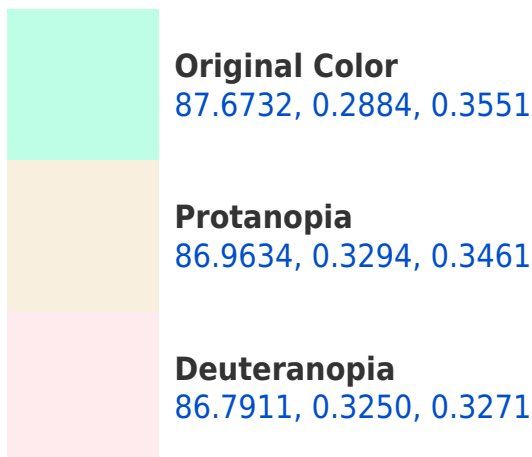


This preview shows how white text looks on a background with the Yxy color 87.6732, 0.2884, 0.3551.

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





Tritanopia

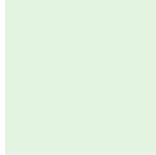
87.1370, 0.2914, 0.3177

Trichromacy



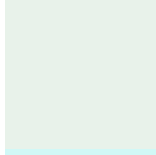
Original Color

87.6732, 0.2884, 0.3551



Protanomaly

86.4685, 0.3131, 0.3488



Deuteranomaly

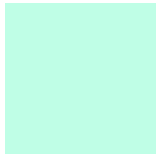
86.6006, 0.3110, 0.3372



Tritanomaly

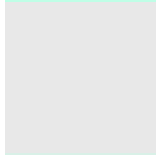
87.3439, 0.2899, 0.3310

Monochromacy



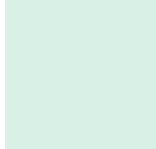
Original Color

87.6732, 0.2884, 0.3551



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.8414, 0.3032, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6732, 0.2884, 0.3551 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(191, 254, 230)` looks like.

```
.text, #text, p{  
    color:rgb(191, 254, 230)  
}
```

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(191, 254, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 254, 230) }
```

Border

The CSS property to change the border of an element to Yxy 87.6732, 0.2884, 0.3551 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(191, 254, 230) }
```

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

```
.border{ border-color:rgb(191, 254, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 254, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 254, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 254, 230);  
box-shadow:4px 4px 4px 4px rgb(191, 254,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6732, 0.2884, 0.3551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 254, 230) }
```

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

```
.background{ background-color: rgb(191,  
254, 230) }
```

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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