

Converting Colors

$Y_{xy}(115.1209, 0.2981, 0.4119)$

Have a look what the booklet for
Yxy(115.1209, 0.2981, 0.4119)
contains.

Yxy(87.5306, 0.2980, 0.3753)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.5306, 0.2980, 0.3753)

Conversions

Conversions Part 1

Format	Color
Hex	C0FFD5
RGB	192, 255, 213
RGB Percent	75%, 100%, 84%
CMY	0.2472, 0.0000, 0.1646
CMYK	0.25, 0.00, 0.16, 0.00
HSL	140°, 100%, 88%
HSV	140°, 25%, 100%
XYZ	69.5020, 87.5306, 76.1957
YIQ	231.3750, -24.0660, -26.4180

Conversions

Conversions Part 2

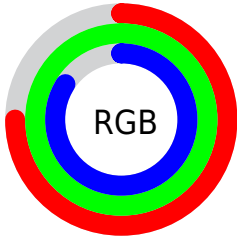
Format	Color
RYB	192, 239, 255
Decimal	12648405
CIELab	94.96, -27.83, 13.75
CIELCh	95, 31.041, 153.703
Yxy	87.5306, 0.2980, 0.3753
Android (android.graphics.Color)	4290838485 (0xFFC0FFD5)
YUV	231.3750, -9.0589, -34.5319
Hunter-Lab	93.5578, -31.1224, 17.2033

Details

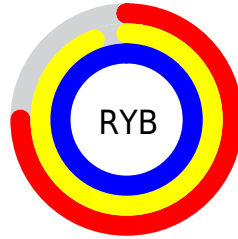
The Yxy color **87.5306, 0.2980, 0.3753** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.8772, 0.3313, 0.2869**, and the grayscale version is **80.2782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **48.1752, 0.2945, 0.3867** is the 20% darker color. If you saturate the color by 10%, you get **83.6639, 0.2926, 0.3977**, and if you desaturate by 10%, it is **92.0551, 0.3038, 0.3550**.

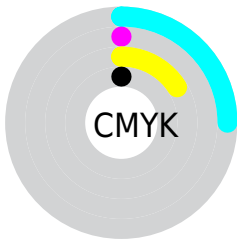
Distribution



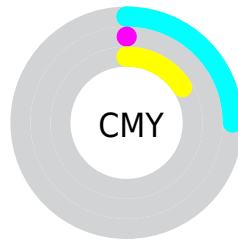
- Red (75%)
- Green (100%)
- Blue (84%)



- Red (75%)
- Yellow (94%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)



- Cyan (25%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.5306, 0.2980, 0.3753 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 87.5306, 0.2980, 0.3753 by changing the saturation by 10% instead.


 87.5306, 0.2980,
0.3753

 87.5306, 0.2980,
0.3753

519.9648, 0.3049,
0.3539

 65.9344, 0.2964,
0.3802


 143.9035, 0.3004,
0.3679

 48.2191, 0.2944,
0.3863


179.4489, 0.3014,
0.3650

 34.0005, 0.2918,
0.3939


220.4129, 0.3022,
0.3625

 22.8940, 0.2884,
0.4040

267.1799, 0.3029,
0.3603

 14.5152, 0.2837,
0.4177

320.1341, 0.3035,
0.3584

 8.4799, 0.2769,
0.4373

379.6601, 0.3040,

 4.4035, 0.2659,

0.3567

0.4680

446.1422, 0.3045,
0.3552

■ 1.9017, 0.2462,
0.5224

■ 0.5494, 0.0000,
1.0000

■ 87.5306, 0.2980,
0.3753

■ 87.5306, 0.2980,
0.3753

■ 83.6639, 0.2926,
0.3977

■ 92.0551, 0.3038,
0.3550

■ 80.4361, 0.2879,
0.4219

■ 97.2813, 0.3099,
0.3368

■ 77.8075, 0.2842,
0.4475

■ 100.0000, 0.3127,
0.3290

■ 75.7390, 0.2820,
0.4737

■ 74.1871, 0.2814,
0.4993

■ 73.1014, 0.2826,
0.5233

■ 72.4202, 0.2854,
0.5446

■ 72.1791, 0.2873,
0.5544

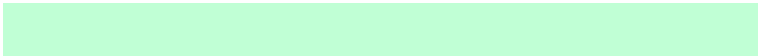
Harmonies

Analogous

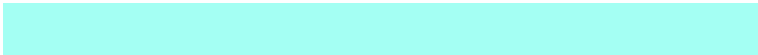
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5306, 0.3331, 0.3912



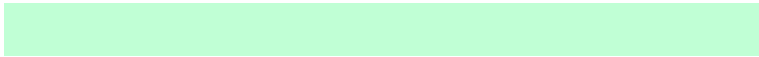
87.5306, 0.2980, 0.3753



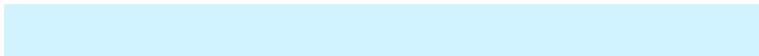
87.5306, 0.2680, 0.3447

Triad

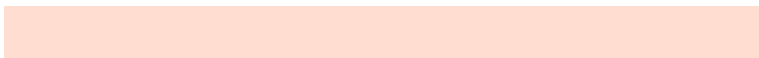
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5306, 0.2980, 0.3753



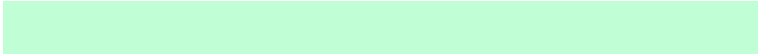
87.5306, 0.2622, 0.2724



87.5306, 0.3794, 0.3409

Complementary

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



87.5306, 0.2980, 0.3753



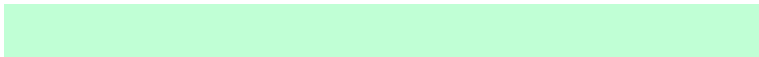
64.8772, 0.3313, 0.2869

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.



87.5306, 0.3583, 0.3123



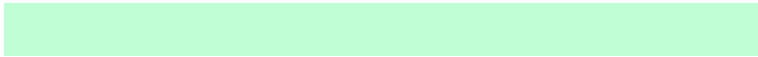
87.5306, 0.2980, 0.3753



87.5306, 0.2897, 0.2741

Square

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



87.5306, 0.2980, 0.3753



87.5306, 0.2483, 0.2851



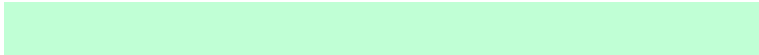
87.5306, 0.3248, 0.2884



87.5306, 0.3813, 0.3684

Rectangle

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



87.5306, 0.2980, 0.3753



87.5306, 0.2546, 0.3219



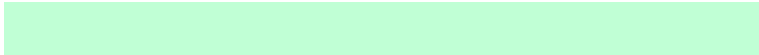
87.5306, 0.3248, 0.2884



87.5306, 0.3743, 0.3312

Sweetspot

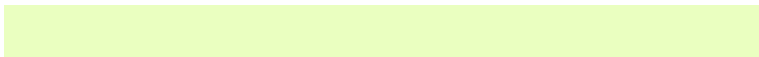
The Sweet Spot groups the original color and five complimentary colors.



87.5260, 0.2980, 0.3753



96.0283, 0.3085, 0.3408



92.8139, 0.3362, 0.3940



20.4843, 0.3081, 0.3418



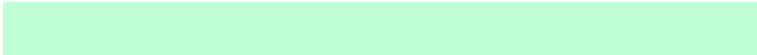
0.0000, 0.0000, 0.0000



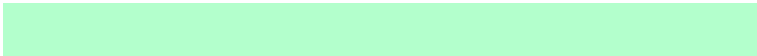
21.4041, 0.3127, 0.3290

Same Dimension

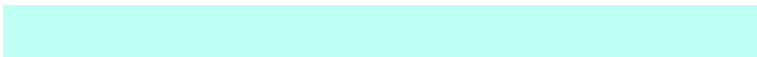
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5260, 0.2980, 0.3753



85.4068, 0.2951, 0.3869



89.2825, 0.2815, 0.3401



20.2683, 0.3070, 0.3452



37.7398, 0.2865, 0.5515



3.6939, 0.2802, 0.5288

Inverse Universe

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



64.8772, 0.3313, 0.2869



58.9818, 0.3363, 0.2775



63.2267, 0.3564, 0.3183



18.1911, 0.3190, 0.3133



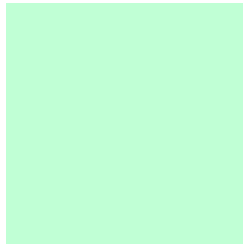
12.6502, 0.4280, 0.2131



1.2520, 0.4126, 0.2047

Previews

White Background



This preview shows how the Yxy color 87.5306, 0.2980, 0.3753 looks on a white background.

Color Contrast Check

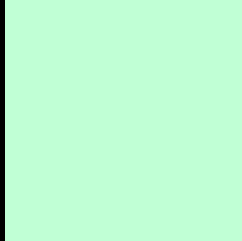
Large Text (above 18pt) WCAG AA × Fail

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 87.5306, 0.2980, 0.3753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

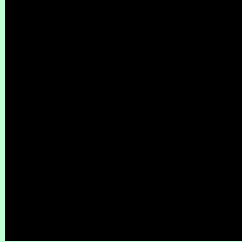
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.5306, 0.2980, 0.3753

Background



This preview shows how black text looks on a background with the Yxy color 87.5306, 0.2980, 0.3753.

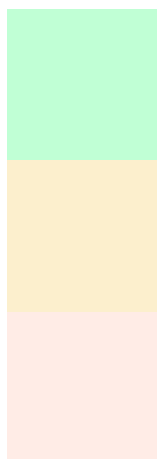


This preview shows how white text looks on a background with the Yxy color 87.5306, 0.2980, 0.3753.

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

87.5306, 0.2980, 0.3753

Protanopia

86.8362, 0.3431, 0.3632

Deuteranopia

86.9641, 0.3294, 0.3350



Tritanopia

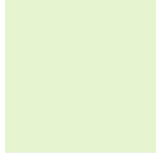
87.1370, 0.2914, 0.3177

Trichromacy



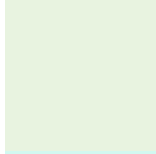
Original Color

87.5306, 0.2980, 0.3753



Protanomaly

86.6819, 0.3253, 0.3677



Deuteranomaly

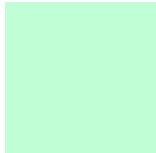
86.6388, 0.3170, 0.3486



Tritanomaly

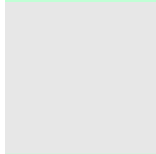
87.1277, 0.2938, 0.3374

Monochromacy



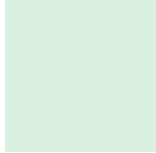
Original Color

87.5306, 0.2980, 0.3753



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.4537, 0.3074, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5306, 0.2980, 0.3753 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(192, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(192, 255, 213)  
}
```

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(192, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 213) }
```

Border

The CSS property to change the border of an element to Yxy 87.5306, 0.2980, 0.3753 is called "border". The border property can be set on classes, ids or directly on the HTML element.

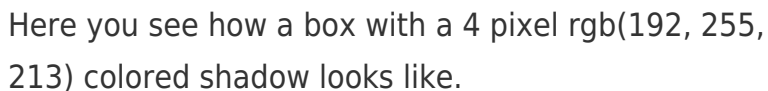
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(192, 255, 213) }
```

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

```
.border{ border-color:rgb(192, 255, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(192, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 255, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 255, 213); box-shadow:4px 4px 4px 4px rgb(192, 255, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5306, 0.2980, 0.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 255, 213) }
```

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

```
.background{ background-color: rgb(192,  
255, 213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor