

Converting Colors

$Y_{xy}(100.0000, 0.3012, 0.3885)$

Have a look what the booklet for
Yxy(100.0000, 0.3012, 0.3885)
contains.

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Color

Yxy(88.7572, 0.3011, 0.3713)

Conversions

Conversions Part 1

Format	Color
Hex	C8FFD8
RGB	200, 255, 216
RGB Percent	78%, 100%, 85%
CMY	0.2157, 0.0000, 0.1529
CMYK	0.22, 0.00, 0.15, 0.00
HSL	137°, 100%, 89%
HSV	137°, 22%, 100%
XYZ	71.9763, 88.7572, 78.3110
YIQ	234.1090, -20.2610, -23.7890

Conversions

Conversions Part 2

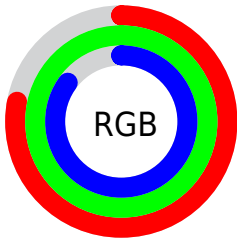
Format	Color
RYP	200, 243, 255
Decimal	13172696
CIELab	95.48, -24.77, 13.01
CIElCh	95, 27.979, 152.283
Yxy	88.7572, 0.3011, 0.3713
Android (android.graphics.Color)	4291362776 (0xFFC8FFD8)
YUV	234.1090, -8.9277, -29.9136
Hunter-Lab	94.2110, -28.4971, 16.6642

Details

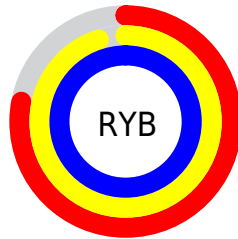
The Yxy color **88.7572, 0.3011, 0.3713** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.8038, 0.3267, 0.2901**, and the grayscale version is **82.4487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.9811, 0.2982, 0.3814** is the 20% darker color. If you saturate the color by 10%, you get **84.6512, 0.2960, 0.3946**, and if you desaturate by 10%, it is **93.5550, 0.3064, 0.3503**.

Distribution



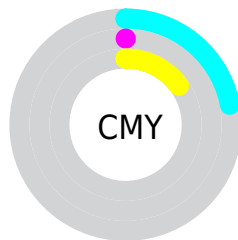
- Red (78%)
- Green (100%)
- Blue (85%)



- Red (78%)
- Yellow (95%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.7572, 0.3011, 0.3713 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 88.7572, 0.3011, 0.3713 by changing the saturation by 10% instead.

 88.7572, 0.3011,
0.3713

 88.7572, 0.3011,
0.3713


523.9797, 0.3066,
0.3518

 66.9503, 0.2998,
0.3757

145.6109, 0.3030,
0.3646

 49.0443, 0.2982,
0.3812

181.4265, 0.3038,
0.3619

 34.6546, 0.2962,
0.3881


222.6805, 0.3044,
0.3597

 23.3969, 0.2935,
0.3971

269.7572, 0.3050,
0.3577

 14.8869, 0.2898,
0.4093

323.0411, 0.3054,
0.3560

 8.7400, 0.2844,
0.4268

382.9166, 0.3059,

 4.5720, 0.2757,

0.3544

0.4538

449.7680, 0.3062,
0.3530

1.9984, 0.2599,
0.5006

0.6065, 0.0000,
1.0000

88.7572, 0.3011,
0.3713

88.7572, 0.3011,
0.3713

84.6512, 0.2960,
0.3946

93.5550, 0.3064,
0.3503

81.1996, 0.2915,
0.4199

99.0697, 0.3119,
0.3317

78.3692, 0.2879,
0.4468

100.0000, 0.3127,
0.3290

76.1215, 0.2855,
0.4744

■ 74.4138, 0.2845,
0.5015

■ 73.1975, 0.2852,
0.5269

■ 72.4141, 0.2875,
0.5492

■ 72.0173, 0.2903,
0.5649

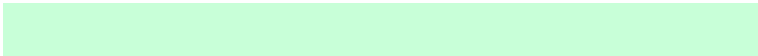
Harmonies

Analogous

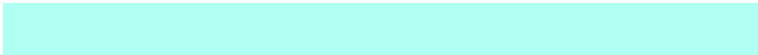
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7572, 0.3327, 0.3848



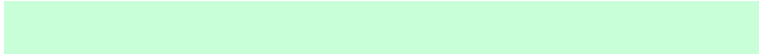
88.7572, 0.3011, 0.3713



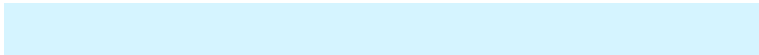
88.7572, 0.2736, 0.3446

Triad

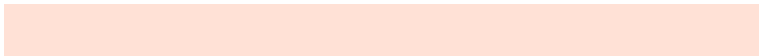
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.7572, 0.3011, 0.3713



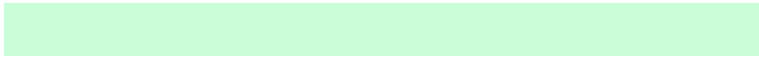
88.7572, 0.2663, 0.2783



88.7572, 0.3719, 0.3388

Complementary

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



88.7572, 0.3011, 0.3713



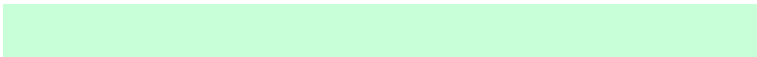
68.8038, 0.3267, 0.2901

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.



88.7572, 0.3524, 0.3129



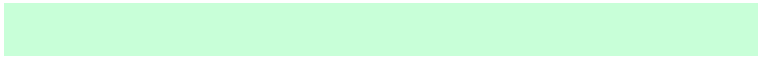
88.7572, 0.3011, 0.3713



88.7572, 0.2907, 0.2790

Square

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



88.7572, 0.3011, 0.3713



88.7572, 0.2543, 0.2906



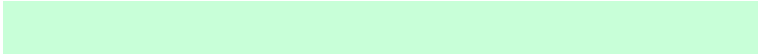
88.7572, 0.3222, 0.2915



88.7572, 0.3745, 0.3637

Rectangle

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



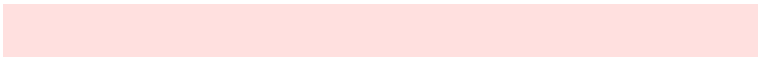
88.7572, 0.3011, 0.3713



88.7572, 0.2610, 0.3242



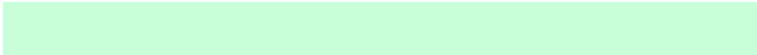
88.7572, 0.3222, 0.2915



88.7572, 0.3671, 0.3299

Sweetspot

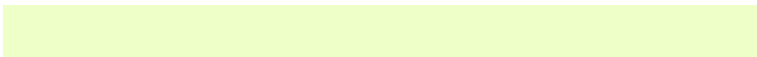
The Sweet Spot groups the original color and five complimentary colors.



88.7589, 0.3011, 0.3713



96.5337, 0.3095, 0.3397



94.1142, 0.3350, 0.3849



20.5849, 0.3091, 0.3409



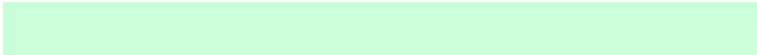
0.0000, 0.0000, 0.0000



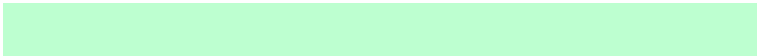
21.4041, 0.3127, 0.3290

Same Dimension

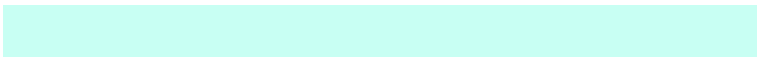
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7589, 0.3011, 0.3713



86.8543, 0.2988, 0.3813



90.2766, 0.2866, 0.3415



20.2551, 0.3076, 0.3463



37.6530, 0.2895, 0.5621



3.6842, 0.2833, 0.5400

Inverse Universe

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



68.8038, 0.3267, 0.2901



63.5652, 0.3302, 0.2819



67.3216, 0.3473, 0.3169



18.2050, 0.3183, 0.3123



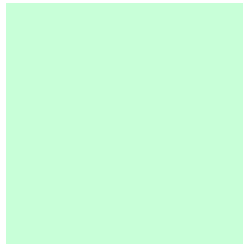
12.8747, 0.4115, 0.2041



1.2726, 0.3987, 0.1970

Previews

White Background



This preview shows how the Yxy color 88.7572, 0.3011, 0.3713 looks on a white background.

Color Contrast Check

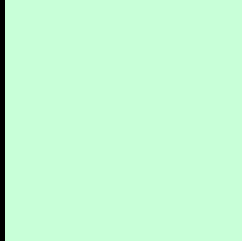
Large Text (above 18pt) WCAG AA × Fail

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 88.7572, 0.3011, 0.3713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

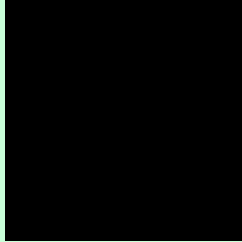
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

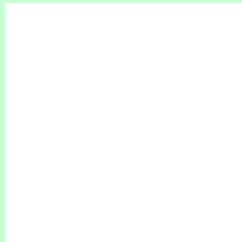
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.7572, 0.3011, 0.3713

Background



This preview shows how black text looks on a background with the Yxy color 88.7572, 0.3011, 0.3713.

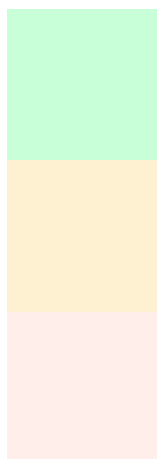


This preview shows how white text looks on a background with the Yxy color 88.7572, 0.3011, 0.3713.

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

88.7572, 0.3011, 0.3713

Protanopia

88.3967, 0.3409, 0.3610

Deuteranopia

88.2923, 0.3273, 0.3340



Tritanopia

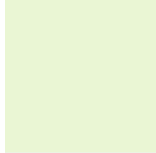
88.6936, 0.2950, 0.3189

Trichromacy



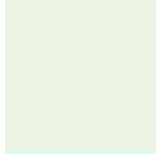
Original Color

88.7572, 0.3011, 0.3713



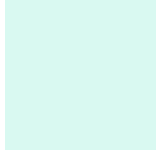
Protanomaly

88.1574, 0.3254, 0.3642



Deuteranomaly

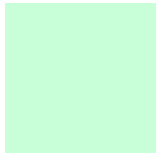
87.9096, 0.3171, 0.3464



Tritanomaly

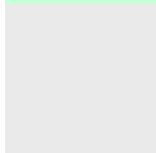
88.8540, 0.2975, 0.3373

Monochromacy



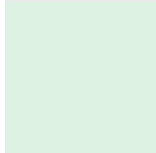
Original Color

88.7572, 0.3011, 0.3713



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.5799, 0.3087, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.7572, 0.3011, 0.3713 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(200, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 216)  
}
```

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(200, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 216) }
```

Border

The CSS property to change the border of an element to Yxy 88.7572, 0.3011, 0.3713 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(200, 255, 216) }
```

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

```
.border{ border-color:rgb(200, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 88.7572, 0.3011, 0.3713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 216) }
```

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

```
.background{ background-color: rgb(200,  
255, 216) }
```

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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