

Converting Colors

$Yxy(87.4296, 0.2991, 0.3776)$

Have a look what the booklet for
Yxy(87.4296, 0.2991, 0.3776)
contains.

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Color

Yxy(87.4296, 0.2991, 0.3776)

Conversions

Conversions Part 1

Format	Color
Hex	C0FFD3
RGB	192, 255, 211
RGB Percent	75%, 100%, 83%
CMY	0.2471, 0.0000, 0.1725
CMYK	0.25, 0.00, 0.17, 0.00
HSL	138°, 100%, 88%
HSV	138°, 25%, 100%
XYZ	69.2537, 87.4296, 74.8570
YIQ	231.1470, -23.4240, -27.0400

Conversions

Conversions Part 2

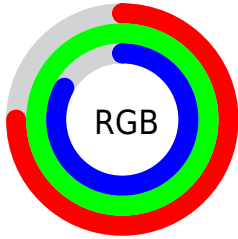
Format	Color
RYB	192, 240, 255
Decimal	12648403
CIELab	94.92, -28.18, 14.72
CIELCh	95, 31.796, 152.414
Yxy	87.4296, 0.2991, 0.3776
Android (android.graphics.Color)	4290838483 (0xFFC0FFD3)
YUV	231.1470, -9.9325, -34.3319
Hunter-Lab	93.5038, -31.4254, 17.9865

Details

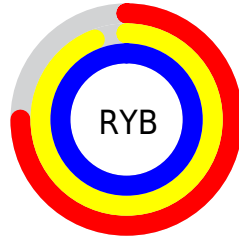
The Yxy color **87.4296, 0.2991, 0.3776** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.0081, 0.3297, 0.2849**, and the grayscale version is **80.1113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **48.1068, 0.2958, 0.3897** is the 20% darker color. If you saturate the color by 10%, you get **83.5390, 0.2941, 0.4012**, and if you desaturate by 10%, it is **91.9929, 0.3045, 0.3562**.

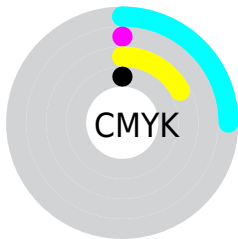
Distribution



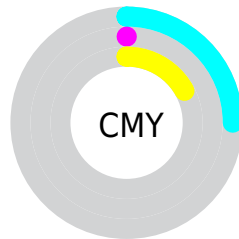
- Red (75%)
- Green (100%)
- Blue (83%)



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



- Cyan (25%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4296, 0.2991, 0.3776 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 87.4296, 0.2991, 0.3776 by changing the saturation by 10% instead.


 87.4296, 0.2991,
0.3776

 87.4296, 0.2991,
0.3776

519.6335, 0.3056,
0.3551

 65.8508, 0.2976,
0.3828

 143.7628, 0.3014,
0.3698

 48.1513, 0.2957,
0.3891


179.2859, 0.3023,
0.3667

 33.9467, 0.2932,
0.3972

220.2260, 0.3030,
0.3641

 22.8527, 0.2900,
0.4078

266.9673, 0.3037,
0.3618

 14.4847, 0.2855,
0.4223

319.8943, 0.3042,
0.3598

 8.4586, 0.2788,
0.4431

379.3914, 0.3047,

 4.3898, 0.2681,

0.3580

0.4754

445.8430, 0.3052,
0.3565

■ 1.8939, 0.2489,
0.5342

■ 0.5447, 0.0000,
1.0000

■ 87.4296, 0.2991,
0.3776

■ 87.4296, 0.2991,
0.3776

■ 83.5390, 0.2941,
0.4012

■ 91.9929, 0.3045,
0.3562

■ 80.2925, 0.2897,
0.4266

■ 97.2637, 0.3101,
0.3372

■ 77.6527, 0.2863,
0.4534

100.0000, 0.3127,
0.3290

■ 75.5804, 0.2842,
0.4807

■ 74.0313, 0.2838,
0.5072

■ 72.9544, 0.2850,
0.5316

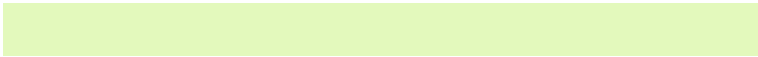
■ 72.2875, 0.2877,
0.5528

■ 72.0554, 0.2896,
0.5624

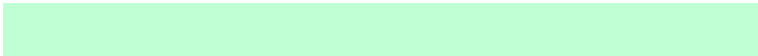
Harmonies

Analogous

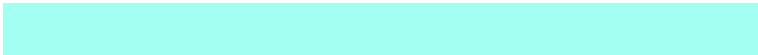
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4296, 0.3351, 0.3931



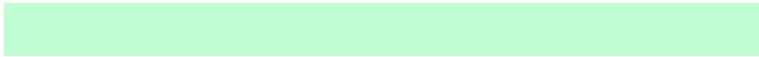
87.4296, 0.2991, 0.3776



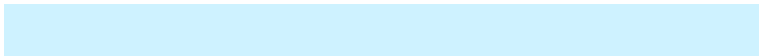
87.4296, 0.2680, 0.3466

Triad

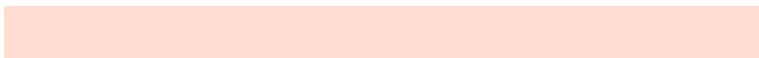
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4296, 0.2991, 0.3776



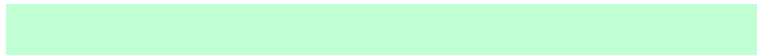
87.4296, 0.2601, 0.2714



87.4296, 0.3805, 0.3398

Complementary

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



87.4296, 0.2991, 0.3776



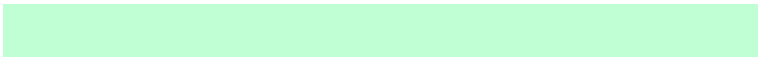
65.0081, 0.3297, 0.2849

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.



87.4296, 0.3581, 0.3107



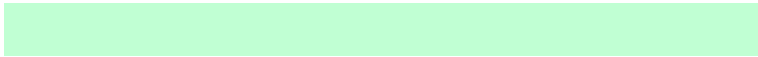
87.4296, 0.2991, 0.3776



87.4296, 0.2876, 0.2724

Square

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



87.4296, 0.2991, 0.3776



87.4296, 0.2465, 0.2849



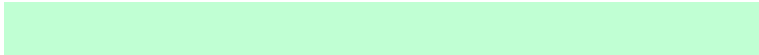
87.4296, 0.3235, 0.2866



87.4296, 0.3833, 0.3682

Rectangle

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



87.4296, 0.2991, 0.3776



87.4296, 0.2539, 0.3231



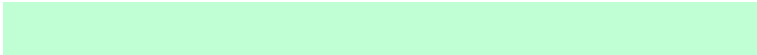
87.4296, 0.3235, 0.2866



87.4296, 0.3750, 0.3299

Sweetspot

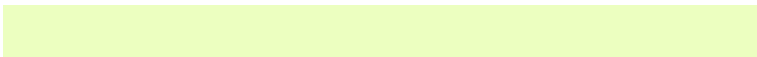
The Sweet Spot groups the original color and five complimentary colors.



87.4282, 0.2991, 0.3776



95.9935, 0.3088, 0.3414



93.1744, 0.3375, 0.3936



20.4762, 0.3085, 0.3425



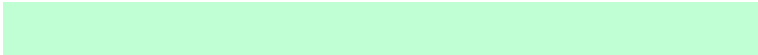
0.0000, 0.0000, 0.0000



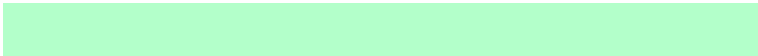
21.4041, 0.3127, 0.3290

Same Dimension

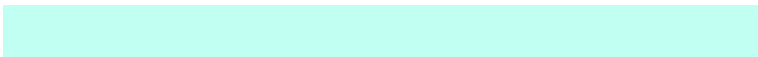
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4282, 0.2991, 0.3776



85.2892, 0.2964, 0.3898



89.1594, 0.2826, 0.3424



20.2584, 0.3074, 0.3460



37.6735, 0.2888, 0.5595



3.6865, 0.2826, 0.5372

Inverse Universe

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



65.0081, 0.3297, 0.2849



59.1211, 0.3343, 0.2752



63.3412, 0.3546, 0.3161



18.2015, 0.3185, 0.3125



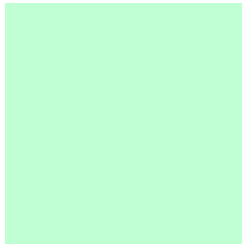
12.8167, 0.4156, 0.2063



1.2673, 0.4021, 0.1989

Previews

White Background



This preview shows how the Yxy color 87.4296, 0.2991, 0.3776 looks on a white background.

Color Contrast Check

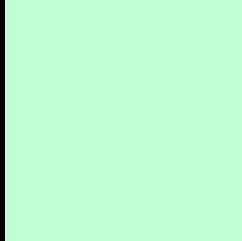
Large Text (above 18pt) WCAG AA × Fail

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 87.4296, 0.2991, 0.3776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

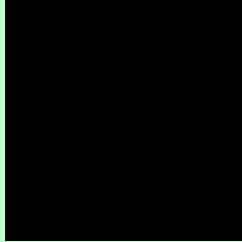
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

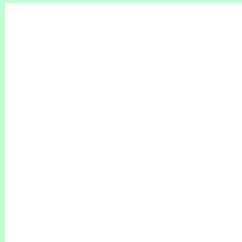
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.4296, 0.2991, 0.3776

Background



This preview shows how black text looks on a background with the Yxy color 87.4296, 0.2991, 0.3776.

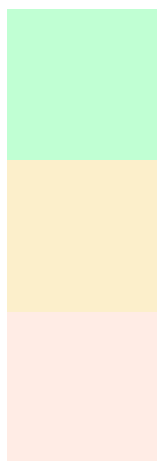


This preview shows how white text looks on a background with the Yxy color 87.4296, 0.2991, 0.3776.

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

87.4296, 0.2991, 0.3776

Protanopia

86.7402, 0.3444, 0.3653

Deuteranopia

86.9080, 0.3300, 0.3360



Tritanopia

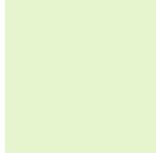
87.1370, 0.2914, 0.3177

Trichromacy



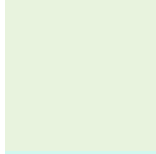
Original Color

87.4296, 0.2991, 0.3776



Protanomaly

86.5840, 0.3265, 0.3699



Deuteranomaly

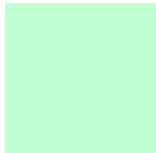
86.5309, 0.3182, 0.3507



Tritanomaly

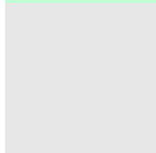
87.0684, 0.2943, 0.3384

Monochromacy



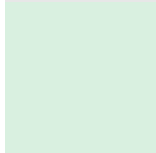
Original Color

87.4296, 0.2991, 0.3776



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 87.4296, 0.2991, 0.3776 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(192, 255, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 211) }
```

Border

The CSS property to change the border of an element to Yxy 87.4296, 0.2991, 0.3776 is called "border". The border property can be set on classes, ids or directly on the HTML element.

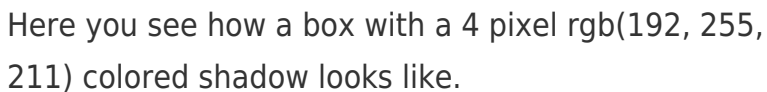
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(192, 255, 211) }
```

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

```
.border{ border-color:rgb(192, 255, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 255, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 255, 211); box-shadow:4px 4px 4px 4px rgb(192, 255, 211) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4296, 0.2991, 0.3776 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, 211) }
```

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

```
.background{ background-color: rgb(192,  
255, 211) }
```

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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