

Converting Colors

$Y_{xy}(100.0000, 0.2946, 0.3937)$

Have a look what the booklet for
Yxy(100.0000, 0.2946, 0.3937)
contains.

Yxy(86.8141, 0.2941, 0.3746)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(86.8141, 0.2941, 0.3746)

Conversions

Conversions Part 1

Format	Color
Hex	BAFFD6
RGB	186, 255, 214
RGB Percent	73%, 100%, 84%
CMY	0.2703, 0.0000, 0.1608
CMYK	0.27, 0.00, 0.16, 0.00
HSL	144°, 100%, 86%
HSV	144°, 27%, 100%
XYZ	68.1581, 86.8141, 76.7793
YIQ	229.6950, -27.9630, -27.3790

Conversions

Conversions Part 2

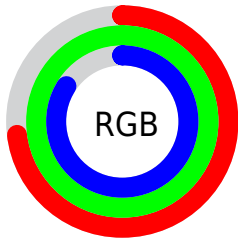
Format	Color
RYB	186, 235, 255
Decimal	12255190
CIELab	94.66, -29.44, 12.78
CIElCh	95, 32.095, 156.542
Yxy	86.8141, 0.2941, 0.3746
Android (android.graphics.Color)	4290445270 (0xFFBAFFD6)
YUV	229.6950, -7.7376, -38.3205
Hunter-Lab	93.1741, -32.4795, 16.3645

Details

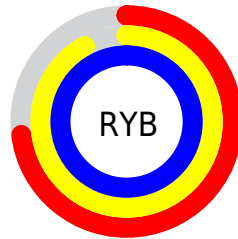
The Yxy color **86.8141, 0.2941, 0.3746** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.9533, 0.3373, 0.2875**, and the grayscale version is **78.9782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **47.7167, 0.2896, 0.3859** is the 20% darker color. If you saturate the color by 10%, you get **83.1633, 0.2880, 0.3949**, and if you desaturate by 10%, it is **91.1142, 0.3008, 0.3561**.

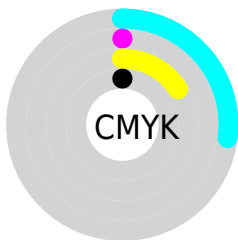
Distribution



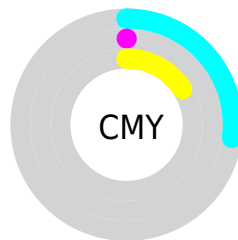
- Red (73%)
- Green (100%)
- Blue (84%)



- Red (73%)
- Yellow (92%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.8141, 0.2941, 0.3746 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 86.8141, 0.2941, 0.3746 by changing the saturation by 10% instead.

 86.8141, 0.2941,
0.3746

 86.8141, 0.2941,
0.3746


517.6118, 0.3028,
0.3534

 65.3414, 0.2921,
0.3794


 142.9050, 0.2971,
0.3672

 47.7379, 0.2896,
0.3854


178.2920, 0.2983,
0.3644

 33.6194, 0.2865,
0.3930


219.0858, 0.2993,
0.3619

 22.6014, 0.2823,
0.4030

265.6709, 0.3002,
0.3598

 14.2994, 0.2767,
0.4165

318.4316, 0.3010,
0.3579

 8.3292, 0.2684,
0.4361


377.7525, 0.3016,


 4.3063, 0.2555,


0.3563


0.4667


444.0177, 0.3022,
0.3548


 1.8464, 0.2324,
0.5210


 0.5158, 0.0000,
1.0000

 86.8141, 0.2941,
0.3746


 86.8141, 0.2941,
0.3746

 83.1633, 0.2880,
0.3949

 91.1142, 0.3008,
0.3561

 80.1186, 0.2828,
0.4167

 96.0827, 0.3077,
0.3395

 77.6486, 0.2789,
0.4397

99.9956, 0.3127,
0.3290

 75.7144, 0.2766,
0.4633

■ 74.2720, 0.2761,
0.4866

■ 73.2701, 0.2775,
0.5088

■ 72.6436, 0.2807,
0.5290

■ 72.5015, 0.2818,
0.5346

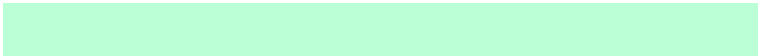
Harmonies

Analogous

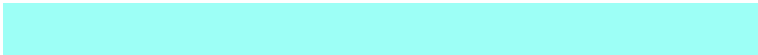
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8141, 0.3303, 0.3929



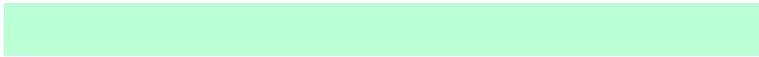
86.8141, 0.2941, 0.3746



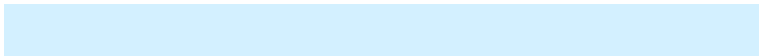
86.8141, 0.2640, 0.3419

Triad

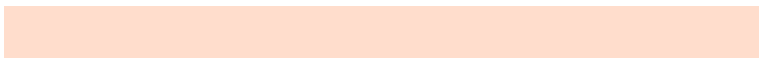
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8141, 0.2941, 0.3746



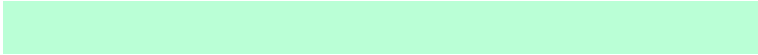
86.8141, 0.2626, 0.2700



86.8141, 0.3830, 0.3441

Complementary

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



86.8141, 0.2941, 0.3746



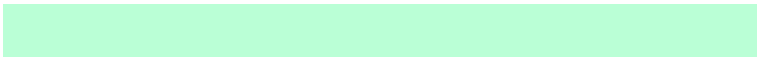
61.9533, 0.3373, 0.2875

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.



86.8141, 0.3628, 0.3143



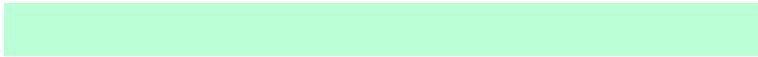
86.8141, 0.2941, 0.3746



86.8141, 0.2920, 0.2731

Square

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



86.8141, 0.2941, 0.3746



86.8141, 0.2467, 0.2816



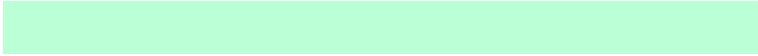
86.8141, 0.3288, 0.2890



86.8141, 0.3829, 0.3721

Rectangle

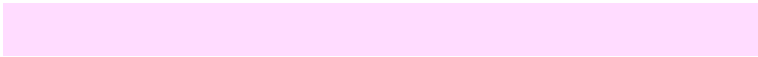
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



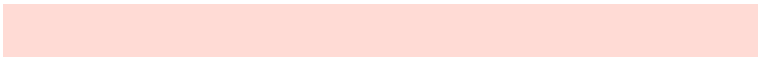
86.8141, 0.2941, 0.3746



86.8141, 0.2511, 0.3182



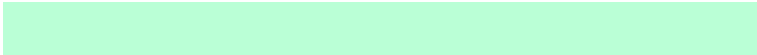
86.8141, 0.3288, 0.2890



86.8141, 0.3783, 0.3340

Sweetspot

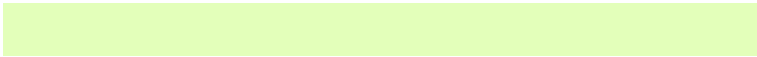
The Sweet Spot groups the original color and five complimentary colors.



86.8177, 0.2941, 0.3746



95.5772, 0.3071, 0.3411



91.4631, 0.3352, 0.4011



20.2902, 0.3060, 0.3435



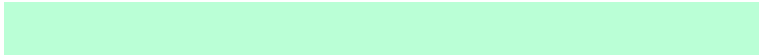
0.0000, 0.0000, 0.0000



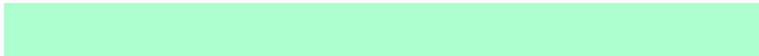
21.4041, 0.3127, 0.3290

Same Dimension

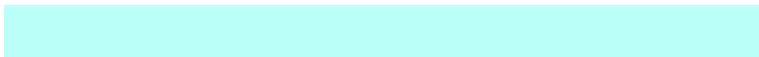
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8177, 0.2941, 0.3746



84.9289, 0.2910, 0.3845



88.7464, 0.2766, 0.3363



20.2902, 0.3060, 0.3435



37.9137, 0.2810, 0.5315



3.7125, 0.2747, 0.5089

Inverse Universe

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



61.9533, 0.3373, 0.2875



56.5711, 0.3432, 0.2796



60.2523, 0.3657, 0.3220



18.1685, 0.3201, 0.3150



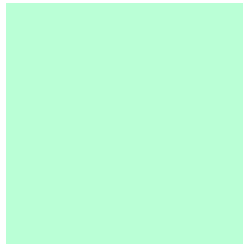
12.3180, 0.4566, 0.2289



1.2210, 0.4368, 0.2180

Previews

White Background



This preview shows how the Yxy color 86.8141, 0.2941, 0.3746 looks on a white background.

Color Contrast Check

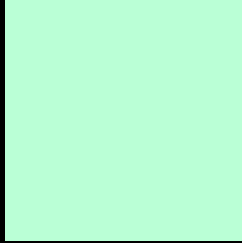
Large Text (above 18pt) WCAG AA × Fail

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 86.8141, 0.2941, 0.3746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

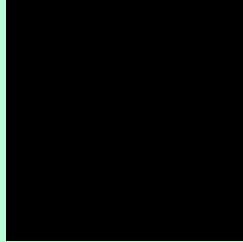
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

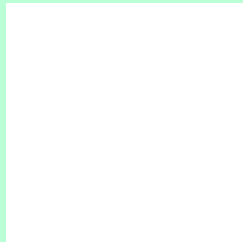
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8141, 0.2941, 0.3746

Background



This preview shows how black text looks on a background with the Yxy color 86.8141, 0.2941, 0.3746.

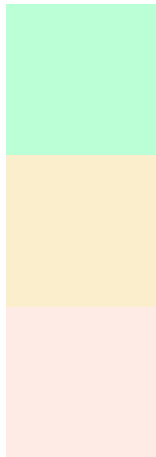


This preview shows how white text looks on a background with the Yxy color 86.8141, 0.2941, 0.3746.

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

86.8141, 0.2941, 0.3746

Protanopia

86.0661, 0.3426, 0.3623

Deuteranopia

86.3338, 0.3302, 0.3350



Tritanopia

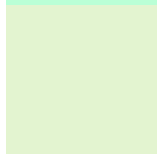
86.6731, 0.2896, 0.3176

Trichromacy



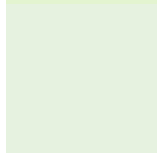
Original Color

86.8141, 0.2941, 0.3746



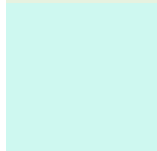
Protanomaly

85.5863, 0.3234, 0.3670



Deuteranomaly

85.7091, 0.3158, 0.3477



Tritanomaly

86.5479, 0.2914, 0.3374

Monochromacy



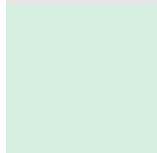
Original Color

86.8141, 0.2941, 0.3746



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.4110, 0.3054, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8141, 0.2941, 0.3746 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(186, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 214)  
}
```

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(186, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 214) }
```

Border

The CSS property to change the border of an element to Yxy 86.8141, 0.2941, 0.3746 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(186, 255, 214) }
```

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

```
.border{ border-color:rgb(186, 255, 214) }
```

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

Here you see how a box with a 4 pixel rgb(186, 255, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8141, 0.2941, 0.3746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 214) }
```

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

```
.background{ background-color: rgb(186,  
255, 214) }
```

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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