

Converting Colors

$Yxy(85.4944, 0.2863, 0.3728)$

Have a look what the booklet for
Yxy(85.4944, 0.2863, 0.3728)
contains.

Yxy(85.4765, 0.2864, 0.3731)	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(85.4765, 0.2864, 0.3731)

Conversions

Conversions Part 1

Format	Color
Hex	AEFFD8
RGB	174, 255, 216
RGB Percent	68%, 100%, 85%
CMY	0.3176, 0.0000, 0.1529
CMYK	0.32, 0.00, 0.15, 0.00
HSL	151°, 100%, 84%
HSV	151°, 32%, 100%
XYZ	65.6137, 85.4765, 78.0079
YIQ	226.3350, -35.7570, -29.3010

Conversions

Conversions Part 2

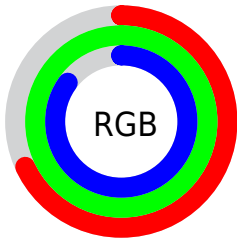
Format	Color
RYB	174, 227, 255
Decimal	11468760
CIELab	94.09, -32.62, 10.85
CIELCh	94, 34.376, 161.607
Yxy	85.4765, 0.2864, 0.3731
Android (android.graphics.Color)	4289658840 (0xFFAEFFD8)
YUV	226.3350, -5.0952, -45.8978
Hunter-Lab	92.4535, -35.1133, 14.6913

Details

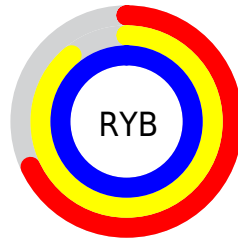
The Yxy color **85.4765, 0.2864, 0.3731** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.3455, 0.3508, 0.2890**, and the grayscale version is **76.3700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **46.8833, 0.2804, 0.3840** is the 20% darker color. If you saturate the color by 10%, you get **82.2111, 0.2795, 0.3899**, and if you desaturate by 10%, it is **89.3508, 0.2942, 0.3577**.

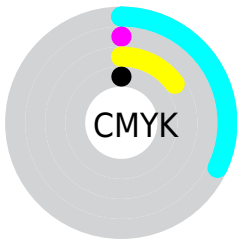
Distribution



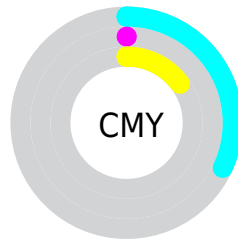
- Red (68%)
- Green (100%)
- Blue (85%)



- Red (68%)
- Yellow (89%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.4765, 0.2864, 0.3731 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 85.4765, 0.2864, 0.3731 by changing the saturation by 10% instead.

 85.4765, 0.2864,
0.3731

 85.4765, 0.2864,
0.3731


513.2035, 0.2985,
0.3526

 64.2352, 0.2836,
0.3778


 141.0387, 0.2906,
0.3660

 46.8412, 0.2802,
0.3836


176.1284, 0.2922,
0.3632

 32.9101, 0.2759,
0.3910


216.6030, 0.2937,
0.3608

 22.0576, 0.2703,
0.4007

262.8469, 0.2949,
0.3588

 13.8992, 0.2627,
0.4139

315.2445, 0.2960,
0.3569

 8.0506, 0.2518,
0.4330


374.1802, 0.2969,


 4.1273, 0.2349,


0.3553

0.4630


440.0384, 0.2978,
0.3539

 1.7451, 0.2035,
0.5177


 0.4526, 0.0000,
1.0000


 85.4765, 0.2864,
0.3731


 85.4765, 0.2864,
0.3731


 82.2111, 0.2795,
0.3899


 89.3508, 0.2942,
0.3577

 79.5138, 0.2738,
0.4078

 93.8559, 0.3025,
0.3436

 77.3515, 0.2697,
0.4266

 99.0224, 0.3112,
0.3311

 75.6844, 0.2674,
0.4457

100.0000, 0.3127,
0.3290

■ 74.4664, 0.2671,
0.4648

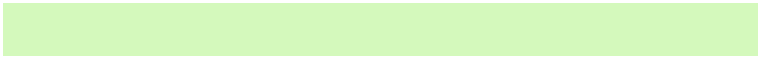
■ 73.6425, 0.2689,
0.4832

■ 73.1915, 0.2716,
0.4977

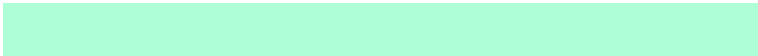
Harmonies

Analogous

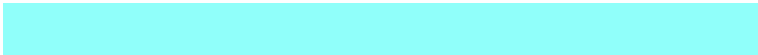
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4765, 0.3249, 0.3963



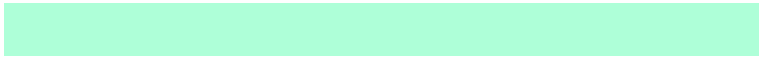
85.4765, 0.2864, 0.3731



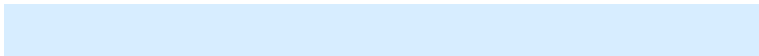
85.4765, 0.2562, 0.3362

Triad

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



85.4765, 0.2864, 0.3731



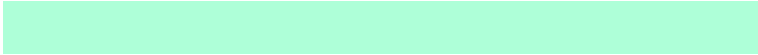
85.4765, 0.2633, 0.2653



85.4765, 0.3900, 0.3503

Complementary

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



85.4765, 0.2864, 0.3731



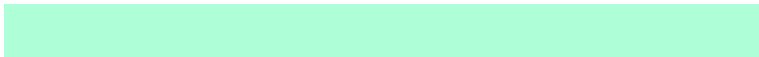
56.3455, 0.3508, 0.2890

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.



85.4765, 0.3716, 0.3183



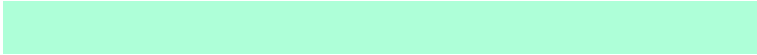
85.4765, 0.2864, 0.3731



85.4765, 0.2967, 0.2711

Square

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



85.4765, 0.2864, 0.3731



85.4765, 0.2437, 0.2748



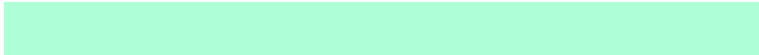
85.4765, 0.3366, 0.2901



85.4765, 0.3859, 0.3794

Rectangle

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



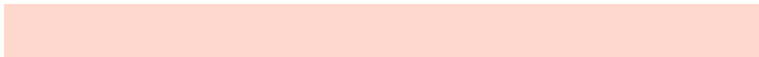
85.4765, 0.2864, 0.3731



85.4765, 0.2443, 0.3111



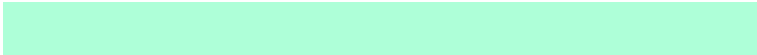
85.4765, 0.3366, 0.2901



85.4765, 0.3863, 0.3396

Sweetspot

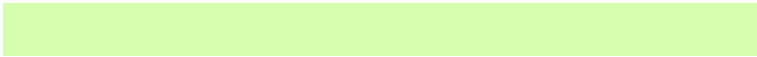
The Sweet Spot groups the original color and five complimentary colors.



85.4793, 0.2864, 0.3731



94.7146, 0.3040, 0.3413



88.7471, 0.3327, 0.4165



20.1254, 0.3028, 0.3432



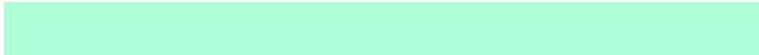
0.0000, 0.0000, 0.0000



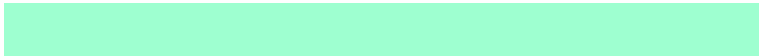
21.4041, 0.3127, 0.3290

Same Dimension

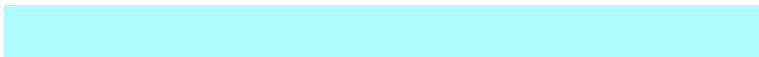
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4793, 0.2864, 0.3731



83.3699, 0.2820, 0.3834



86.8831, 0.2670, 0.3274



20.3255, 0.3045, 0.3407



38.2745, 0.2708, 0.4948



3.7487, 0.2652, 0.4746

Inverse Universe

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



56.3455, 0.3508, 0.2890



50.1442, 0.3612, 0.2809



55.1216, 0.3856, 0.3306



18.1328, 0.3218, 0.3176



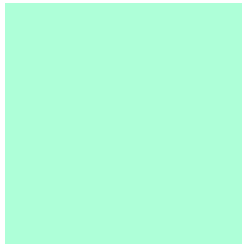
11.8832, 0.5043, 0.2552



1.1790, 0.4778, 0.2406

Previews

White Background



This preview shows how the Yxy color 85.4765, 0.2864, 0.3731 looks on a white background.

Color Contrast Check

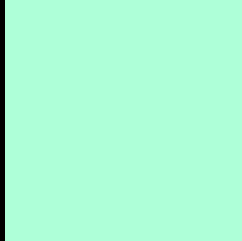
Large Text (above 18pt) WCAG AA × Fail

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 85.4765, 0.2864, 0.3731 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 85.4765, 0.2864, 0.3731

Background



This preview shows how black text looks on a background with the Yxy color 85.4765, 0.2864, 0.3731.

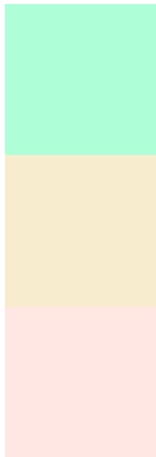


This preview shows how white text looks on a background with the Yxy color 85.4765, 0.2864, 0.3731.

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

85.4765, 0.2864, 0.3731

Protanopia

84.4036, 0.3402, 0.3596

Deuteranopia

84.5747, 0.3311, 0.3330



Tritanopia

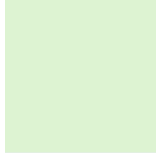
84.8765, 0.2848, 0.3164

Trichromacy



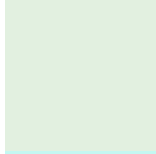
Original Color

85.4765, 0.2864, 0.3731



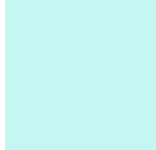
Protanomaly

84.1265, 0.3182, 0.3642



Deuteranomaly

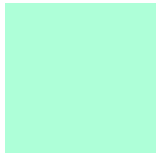
83.8707, 0.3132, 0.3458



Tritanomaly

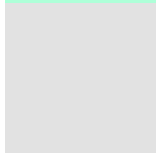
84.6082, 0.2850, 0.3354

Monochromacy



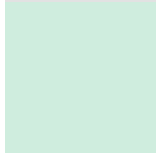
Original Color

85.4765, 0.2864, 0.3731



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.1077, 0.3021, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.4765, 0.2864, 0.3731 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(174, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(174, 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(174, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 216) }
```

Border

The CSS property to change the border of an element to Yxy 85.4765, 0.2864, 0.3731 is called "border". The border property can be set on classes, ids or directly on the HTML element.

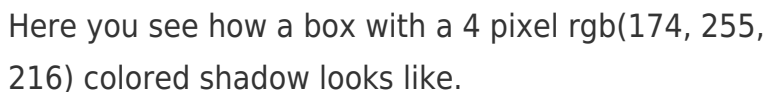
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(174, 255, 216) }
```

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

```
.border{ border-color:rgb(174, 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(174, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 255, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 255, 216); box-shadow:4px 4px 4px 4px rgb(174, 255, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 85.4765, 0.2864, 0.3731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 255, 216) }
```

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

```
.background{ background-color: rgb(174,  
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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