

Converting Colors

$Y_{xy}(85.2490, 0.2825, 0.3690)$

Have a look what the booklet for
Yxy(85.2490, 0.2825, 0.3690)
contains.

Yxy(85.2334, 0.2822, 0.3686)	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(85.2334, 0.2822, 0.3686)

Conversions

Conversions Part 1

Format	Color
Hex	AAFFDC
RGB	170, 255, 220
RGB Percent	67%, 100%, 86%
CMY	0.3334, 0.0000, 0.1371
CMYK	0.33, 0.00, 0.14, 0.00
HSL	155°, 100%, 83%
HSV	155°, 33%, 100%
XYZ	65.2547, 85.2334, 80.7474
YIQ	225.5950, -39.4250, -28.9050

Conversions

Conversions Part 2

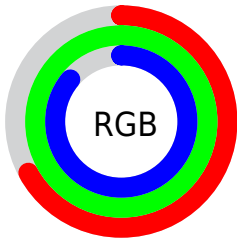
Format	Color
RYB	170, 224, 255
Decimal	11206620
CIELab	93.98, -32.98, 8.60
CIELCh	94, 34.079, 165.390
Yxy	85.2334, 0.2822, 0.3686
Android (android.graphics.Color)	4289396700 (0xFFAAFFDC)
YUV	225.5950, -2.7583, -48.7568
Hunter-Lab	92.3219, -35.3967, 12.7686

Details

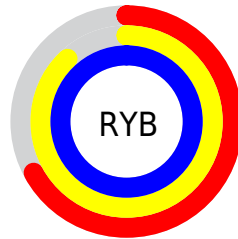
The Yxy color **85.2334, 0.2822, 0.3686** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.4033, 0.3587, 0.2929**, and the grayscale version is **75.7832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **46.7496, 0.2755, 0.3781** is the 20% darker color. If you saturate the color by 10%, you get **82.1227, 0.2747, 0.3829**, and if you desaturate by 10%, it is **88.9276, 0.2907, 0.3554**.

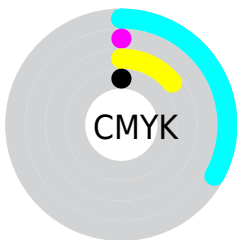
Distribution



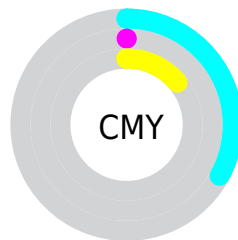
- Red (67%)
- Green (100%)
- Blue (86%)



- Red (67%)
- Yellow (88%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.2334, 0.2822, 0.3686 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 85.2334, 0.2822, 0.3686 by changing the saturation by 10% instead.


 85.2334, 0.2822,
0.3686

 85.2334, 0.2822,
0.3686


512.4001, 0.2962,
0.3503

 64.0343, 0.2791,
0.3728


 140.6992, 0.2870,
0.3622

 46.6784, 0.2752,
0.3780


175.7347, 0.2889,
0.3598

 32.7815, 0.2703,
0.3845


216.1510, 0.2905,
0.3576

 21.9591, 0.2640,
0.3931

262.3327, 0.2919,
0.3558

 13.8269, 0.2555,
0.4048

314.6640, 0.2932,
0.3542

 8.0003, 0.2434,
0.4216

373.5294, 0.2943,

 4.0952, 0.2251,

0.3527

0.4479

439.3133, 0.2953,
0.3514

1.7269, 0.1913,
0.4958

0.4410, 0.0000,
1.0000

85.2334, 0.2822,
0.3686

85.2334, 0.2822,
0.3686

82.1227, 0.2747,
0.3829

88.9276, 0.2907,
0.3554

79.5666, 0.2686,
0.3981

93.2390, 0.2999,
0.3433

77.5278, 0.2641,
0.4140

98.1944, 0.3095,
0.3324

75.9662, 0.2616,
0.4303

100.0000, 0.3127,
0.3290

■ 74.8350, 0.2611,
0.4465

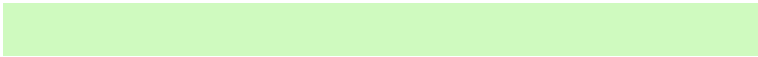
■ 74.0776, 0.2627,
0.4624

■ 73.7268, 0.2646,
0.4727

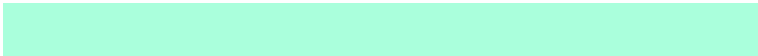
Harmonies

Analogous

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



85.2334, 0.3199, 0.3940



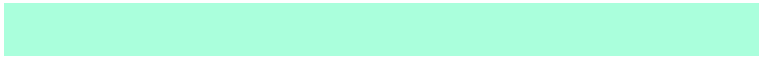
85.2334, 0.2822, 0.3686



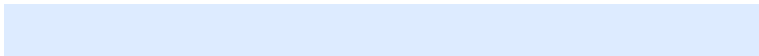
85.2334, 0.2539, 0.3313

Triad

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



85.2334, 0.2822, 0.3686



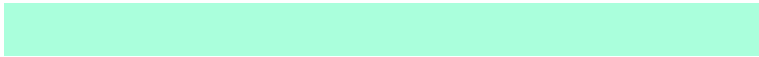
85.2334, 0.2672, 0.2656



85.2334, 0.3902, 0.3541

Complementary

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



85.2334, 0.2822, 0.3686



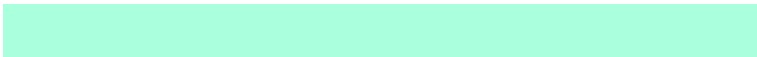
54.4033, 0.3587, 0.2929

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.



85.2334, 0.3746, 0.3223



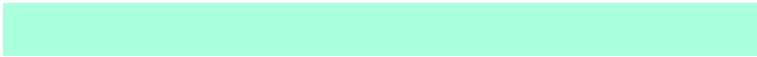
85.2334, 0.2822, 0.3686



85.2334, 0.3017, 0.2733

Square

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



85.2334, 0.2822, 0.3686



85.2334, 0.2457, 0.2731



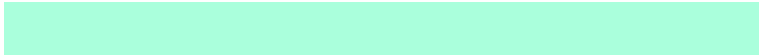
85.2334, 0.3414, 0.2935



85.2334, 0.3833, 0.3821

Rectangle

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



85.2334, 0.2822, 0.3686



85.2334, 0.2434, 0.3069



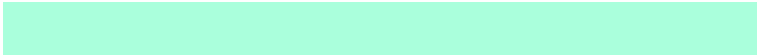
85.2334, 0.3414, 0.2935



85.2334, 0.3874, 0.3436

Sweetspot

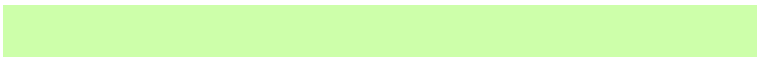
The Sweet Spot groups the original color and five complimentary colors.



85.2322, 0.2822, 0.3686



94.8234, 0.3030, 0.3395



87.4573, 0.3299, 0.4224



20.1517, 0.3017, 0.3411



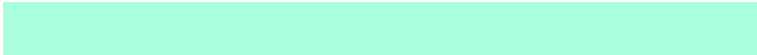
0.0000, 0.0000, 0.0000



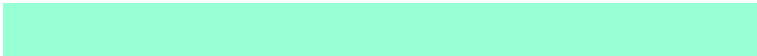
21.4041, 0.3127, 0.3290

Same Dimension

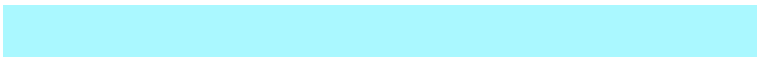
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2322, 0.2822, 0.3686



83.0994, 0.2771, 0.3780



82.8450, 0.2642, 0.3211



20.3477, 0.3035, 0.3390



38.5543, 0.2639, 0.4701



3.7756, 0.2590, 0.4523

Inverse Universe

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



54.4033, 0.3587, 0.2929



47.9799, 0.3718, 0.2856



55.6280, 0.3887, 0.3367



18.1109, 0.3229, 0.3193



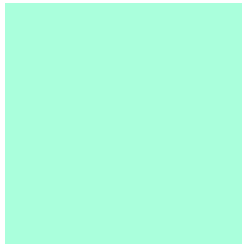
11.6681, 0.5338, 0.2714



1.1572, 0.5041, 0.2551

Previews

White Background



This preview shows how the Yxy color 85.2334, 0.2822, 0.3686 looks on a white background.

Color Contrast Check

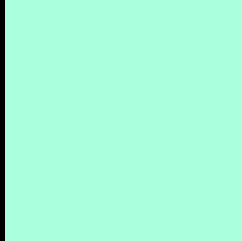
Large Text (above 18pt) WCAG AA × Fail

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 85.2334, 0.2822, 0.3686 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 85.2334, 0.2822, 0.3686

Background



This preview shows how black text looks on a background with the Yxy color 85.2334, 0.2822, 0.3686.

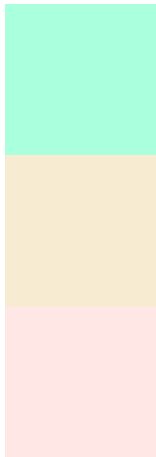


This preview shows how white text looks on a background with the Yxy color 85.2334, 0.2822, 0.3686.

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

85.2334, 0.2822, 0.3686

Protanopia

84.4182, 0.3368, 0.3555

Deuteranopia

84.0690, 0.3306, 0.3310



Tritanopia

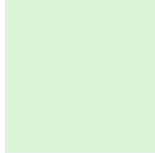
84.5866, 0.2836, 0.3164

Trichromacy



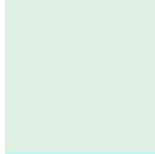
Original Color

85.2334, 0.2822, 0.3686



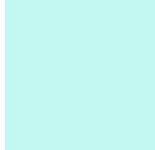
Protanomaly

84.0163, 0.3145, 0.3600



Deuteranomaly

83.6585, 0.3107, 0.3437



Tritanomaly

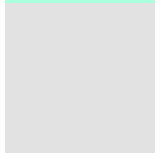
84.4017, 0.2834, 0.3343

Monochromacy



Original Color

85.2334, 0.2822, 0.3686



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.0720, 0.3003, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.2334, 0.2822, 0.3686 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(170, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(170, 255, 220)  
}
```

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(170, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 220) }
```

Border

The CSS property to change the border of an element to Yxy 85.2334, 0.2822, 0.3686 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(170, 255, 220) }
```

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

```
.border{ border-color:rgb(170, 255, 220) }
```

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

Here you see how a box with a 4 pixel rgb(170, 255, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(170, 255,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 85.2334, 0.2822, 0.3686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 255, 220) }
```

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

```
.background{ background-color: rgb(170,  
255, 220) }
```

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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