

Converting Colors

$Yxy(84.2384, 0.2926, 0.3928)$

Have a look what the booklet for
Yxy(84.2384, 0.2926, 0.3928)
contains.

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Color

Yxy(84.2362, 0.2925, 0.3925)

Conversions

Conversions Part 1

Format	Color
Hex	AAFFC8
RGB	170, 255, 200
RGB Percent	67%, 100%, 78%
CMY	0.3331, 0.0000, 0.2156
CMYK	0.33, 0.00, 0.22, 0.00
HSL	141°, 100%, 83%
HSV	141°, 33%, 100%
XYZ	62.7747, 84.2362, 67.6036
YIQ	223.3150, -33.0050, -35.1250

Conversions

Conversions Part 2

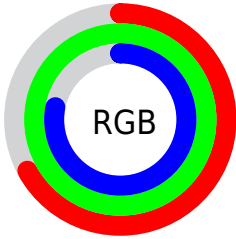
Format	Color
RYB	170, 233, 255
Decimal	11206600
CIELab	93.55, -36.78, 18.26
CIElCh	94, 41.065, 153.594
Yxy	84.2362, 0.2925, 0.3925
Android (android.graphics.Color)	4289396680 (0xFFAAFFC8)
YUV	223.3150, -11.4943, -46.7573
Hunter-Lab	91.7803, -38.5273, 20.5743

Details

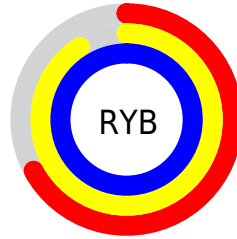
The Yxy color **84.2362, 0.2925, 0.3925** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.4716, 0.3410, 0.2732**, and the grayscale version is **74.1409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **46.1083, 0.2873, 0.4082** is the 20% darker color. If you saturate the color by 10%, you get **80.9360, 0.2875, 0.4158**, and if you desaturate by 10%, it is **88.1779, 0.2982, 0.3710**.

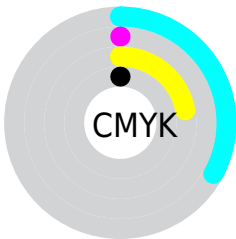
Distribution



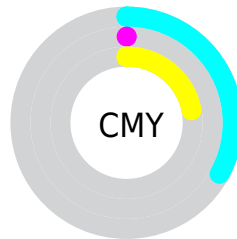
- Red (67%)
- Green (100%)
- Blue (78%)



- Red (67%)
- Yellow (91%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2362, 0.2925, 0.3925 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 84.2362, 0.2925, 0.3925 by changing the saturation by 10% instead.


 84.2362, 0.2925,
0.3925

 84.2362, 0.2925,
0.3925


509.0973, 0.3023,
0.3626

 63.2105, 0.2902,
0.3995


 139.3055, 0.2960,
0.3820

 46.0115, 0.2873,
0.4081


174.1179, 0.2973,
0.3780

 32.2549, 0.2835,
0.4192


214.2947, 0.2984,
0.3745

 21.5563, 0.2784,
0.4338

260.2201, 0.2994,
0.3715

 13.5312, 0.2713,
0.4540

312.2787, 0.3002,
0.3688

 7.7954, 0.2607,
0.4835

370.8549, 0.3010,

 3.9643, 0.2431,

0.3665

0.5303

436.3329, 0.3017,
0.3644

■ 1.6536, 0.2081,
0.6514

■ 0.3933, 0.0000,
1.0000

■ 84.2362, 0.2925,
0.3925

■ 84.2362, 0.2925,
0.3925

■ 80.9360, 0.2875,
0.4158

■ 88.1779, 0.2982,
0.3710

■ 78.2322, 0.2835,
0.4405

■ 92.7826, 0.3043,
0.3516

■ 76.0903, 0.2809,
0.4660

■ 98.0834, 0.3106,
0.3343

■ 74.4677, 0.2800,
0.4912

99.9953, 0.3127,
0.3290

■ 73.3154, 0.2809,
0.5152

■ 72.5742, 0.2836,
0.5368

■ 72.2522, 0.2860,
0.5496

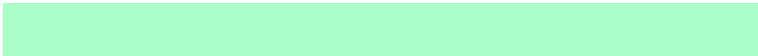
Harmonies

Analogous

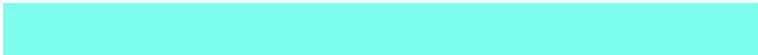
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2362, 0.3391, 0.4136



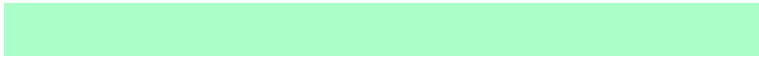
84.2362, 0.2925, 0.3925



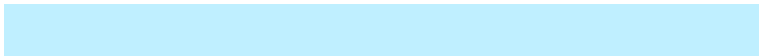
84.2362, 0.2533, 0.3499

Triad

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



84.2362, 0.2925, 0.3925



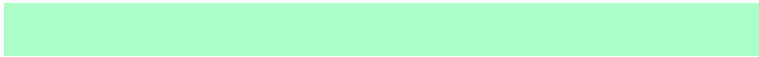
84.2362, 0.2459, 0.2545



84.2362, 0.4024, 0.3432

Complementary

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



84.2362, 0.2925, 0.3925



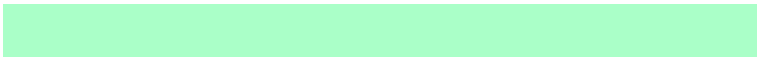
55.4716, 0.3410, 0.2732

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.



84.2362, 0.3737, 0.3063



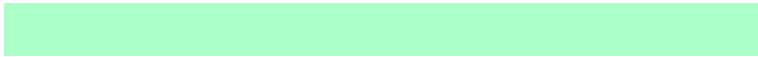
84.2362, 0.2925, 0.3925



84.2362, 0.2814, 0.2572

Square

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



84.2362, 0.2925, 0.3925



84.2362, 0.2281, 0.2702



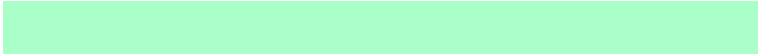
84.2362, 0.3282, 0.2757



84.2362, 0.4044, 0.3797

Rectangle

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



84.2362, 0.2925, 0.3925



84.2362, 0.2360, 0.3185



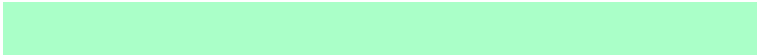
84.2362, 0.3282, 0.2757



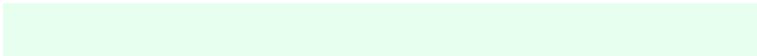
84.2362, 0.3955, 0.3306

Sweetspot

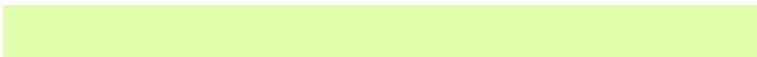
The Sweet Spot groups the original color and five complimentary colors.



84.2397, 0.2925, 0.3925



94.4625, 0.3064, 0.3456



90.4708, 0.3429, 0.4184



20.0645, 0.3055, 0.3482



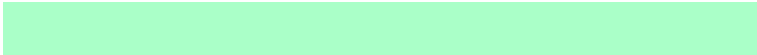
0.0000, 0.0000, 0.0000



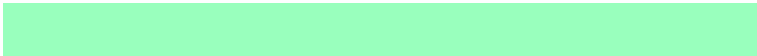
21.4041, 0.3127, 0.3290

Same Dimension

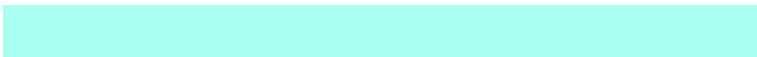
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2397, 0.2925, 0.3925



81.9652, 0.2890, 0.4079



86.4948, 0.2713, 0.3430



20.2740, 0.3067, 0.3448



37.7814, 0.2852, 0.5465



3.6985, 0.2788, 0.5238

Inverse Universe

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



55.4716, 0.3410, 0.2732



49.1584, 0.3486, 0.2620



53.4439, 0.3791, 0.3158



18.1852, 0.3192, 0.3137



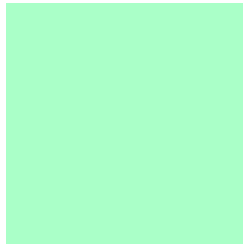
12.5590, 0.4353, 0.2172



1.2436, 0.4188, 0.2081

Previews

White Background



This preview shows how the Yxy color 84.2362, 0.2925, 0.3925 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 84.2362, 0.2925, 0.3925 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

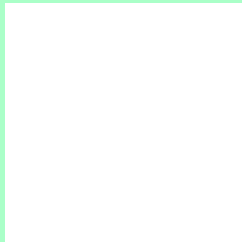
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.2362, 0.2925, 0.3925

Background



This preview shows how black text looks on a background with the Yxy color 84.2362, 0.2925, 0.3925.

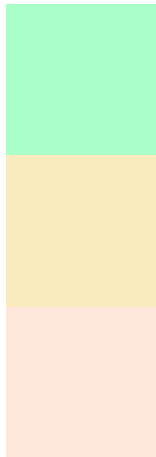


This preview shows how white text looks on a background with the Yxy color 84.2362, 0.2925, 0.3925.

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

84.2362, 0.2925, 0.3925

Protanopia

83.4584, 0.3524, 0.3750

Deuteranopia

83.5263, 0.3373, 0.3410



Tritanopia

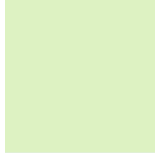
83.7034, 0.2824, 0.3153

Trichromacy



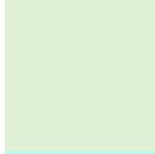
Original Color

84.2362, 0.2925, 0.3925



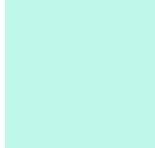
Protanomaly

82.7715, 0.3281, 0.3808



Deuteranomaly

82.9209, 0.3193, 0.3588



Tritanomaly

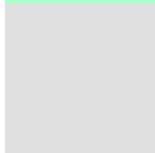
83.7262, 0.2859, 0.3420

Monochromacy



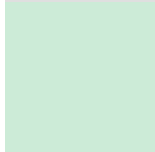
Original Color

84.2362, 0.2925, 0.3925



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.1603, 0.3044, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2362, 0.2925, 0.3925 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(170, 255, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 200) }
```

Border

The CSS property to change the border of an element to Yxy 84.2362, 0.2925, 0.3925 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, 200) }
```

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

```
.border{ border-color:rgb(170, 255, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(170, 255,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2362, 0.2925, 0.3925 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, 200) }
```

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

```
.background{ background-color: rgb(170,  
255, 200) }
```

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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