

Converting Colors

Yxy(84.9064, 0.2855, 0.3763)

Have a look what the booklet for
Yxy(84.9064, 0.2855, 0.3763)
contains.

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Color

Yxy(84.9211, 0.2853, 0.3757)

Conversions

Conversions Part 1

Format	Color
Hex	AAFFD6
RGB	170, 255, 214
RGB Percent	67%, 100%, 84%
CMY	0.3331, 0.0000, 0.1607
CMYK	0.33, 0.00, 0.16, 0.00
HSL	151°, 100%, 83%
HSV	151°, 33%, 100%
XYZ	64.4876, 84.9211, 76.6256
YIQ	224.9110, -37.4990, -30.7710

Conversions

Conversions Part 2

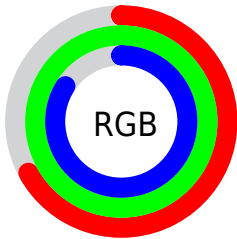
Format	Color
RYB	170, 226, 255
Decimal	11206614
CIELab	93.85, -34.13, 11.50
CIELCh	94, 36.017, 161.383
Yxy	84.9211, 0.2853, 0.3757
Android (android.graphics.Color)	4289396694 (0xFFAAFFD6)
YUV	224.9110, -5.3791, -48.1569
Hunter-Lab	92.1526, -36.3544, 15.2068

Details

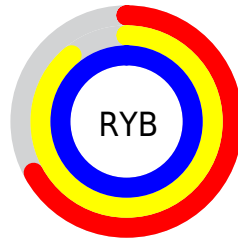
The Yxy color **84.9211, 0.2853, 0.3757** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.7374, 0.3532, 0.2869**, and the grayscale version is **75.3000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **46.5362, 0.2792, 0.3876** is the 20% darker color. If you saturate the color by 10%, you get **81.7466, 0.2786, 0.3927**, and if you desaturate by 10%, it is **88.7013, 0.2930, 0.3600**.

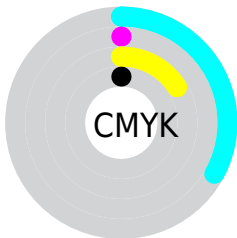
Distribution



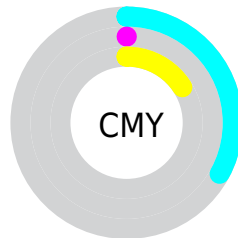
- Red (67%)
- Green (100%)
- Blue (84%)



- Red (67%)
- Yellow (89%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.9211, 0.2853, 0.3757 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 84.9211, 0.2853, 0.3757 by changing the saturation by 10% instead.

 84.9211, 0.2853,
0.3757

 84.9211, 0.2853,
0.3757


511.3670, 0.2980,
0.3539

 63.7762, 0.2824,
0.3807


 140.2629, 0.2897,
0.3681

 46.4694, 0.2788,
0.3869


175.2286, 0.2914,
0.3652

 32.6164, 0.2743,
0.3948


215.5701, 0.2929,
0.3627

 21.8328, 0.2684,
0.4051

261.6716, 0.2942,
0.3605

 13.7341, 0.2604,
0.4193

313.9177, 0.2953,
0.3585

 7.9359, 0.2488,
0.4399


372.6927, 0.2963,


 4.0540, 0.2309,


0.3568


0.4722

438.3810, 0.2972,
0.3553


 1.7038, 0.1954,
0.5336


 0.4261, 0.0000,
1.0000


 84.9211, 0.2853,
0.3757


 84.9211, 0.2853,
0.3757


 81.7466, 0.2786,
0.3927


 88.7013, 0.2930,
0.3600

 79.1342, 0.2731,
0.4108

 93.1070, 0.3012,
0.3457

 77.0511, 0.2692,
0.4297

 98.1702, 0.3098,
0.3329

 75.4565, 0.2673,
0.4489

99.9949, 0.3127,
0.3290

■ 74.3034, 0.2673,
0.4680

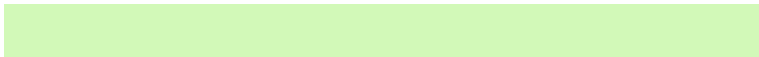
■ 73.5347, 0.2694,
0.4863

■ 73.1805, 0.2717,
0.4980

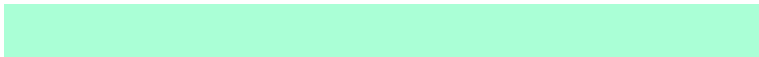
Harmonies

Analogous

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



84.9211, 0.3256, 0.4000



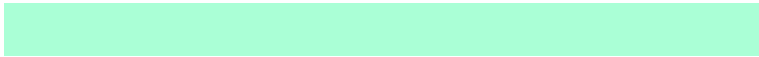
84.9211, 0.2853, 0.3757



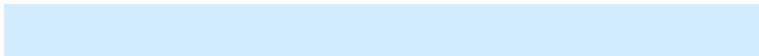
84.9211, 0.2537, 0.3368

Triad

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



84.9211, 0.2853, 0.3757



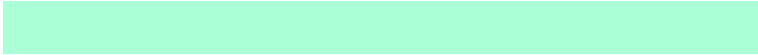
84.9211, 0.2607, 0.2623



84.9211, 0.3939, 0.3508

Complementary

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



84.9211, 0.2853, 0.3757



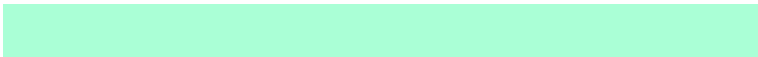
54.7374, 0.3532, 0.2869

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.



84.9211, 0.3744, 0.3174



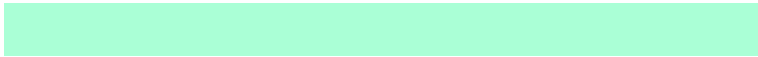
84.9211, 0.2853, 0.3757



84.9211, 0.2956, 0.2684

Square

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



84.9211, 0.2853, 0.3757



84.9211, 0.2404, 0.2723



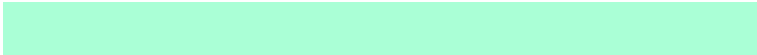
84.9211, 0.3375, 0.2881



84.9211, 0.3897, 0.3815

Rectangle

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



84.9211, 0.2853, 0.3757



84.9211, 0.2411, 0.3103



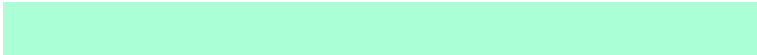
84.9211, 0.3375, 0.2881



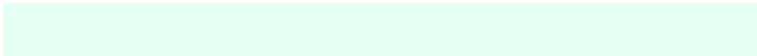
84.9211, 0.3899, 0.3396

Sweetspot

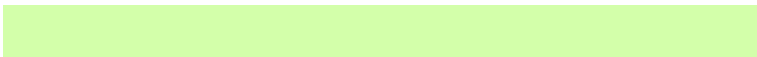
The Sweet Spot groups the original color and five complimentary colors.



84.9246, 0.2853, 0.3757



94.7133, 0.3041, 0.3413



88.2854, 0.3335, 0.4212



20.1251, 0.3028, 0.3432



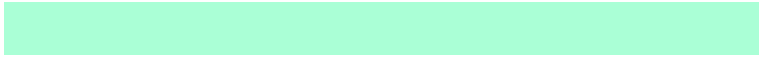
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



84.9246, 0.2853, 0.3757



82.7386, 0.2807, 0.3870



86.3881, 0.2650, 0.3273



20.3252, 0.3045, 0.3407



38.2714, 0.2709, 0.4951



3.7484, 0.2652, 0.4748

Inverse Universe

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



54.7374, 0.3532, 0.2869



48.3164, 0.3647, 0.2783



53.4712, 0.3906, 0.3307



18.1331, 0.3218, 0.3176



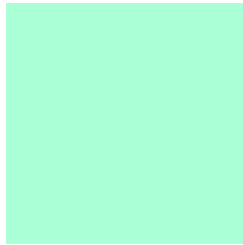
11.8860, 0.5039, 0.2550



1.1793, 0.4775, 0.2404

Previews

White Background



This preview shows how the Yxy color 84.9211, 0.2853, 0.3757 looks on a white background.

Color Contrast Check

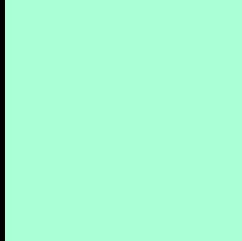
Large Text (above 18pt) WCAG AA × Fail

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 84.9211, 0.2853, 0.3757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

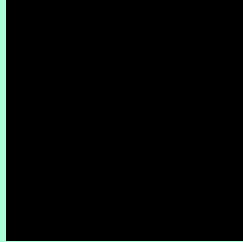
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.9211, 0.2853, 0.3757

Background



This preview shows how black text looks on a background with the Yxy color 84.9211, 0.2853, 0.3757.

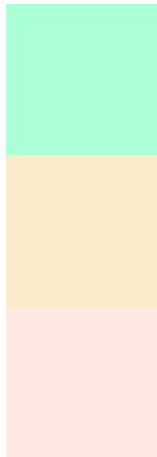


This preview shows how white text looks on a background with the Yxy color 84.9211, 0.2853, 0.3757.

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

84.9211, 0.2853, 0.3757

Protanopia

84.3070, 0.3415, 0.3617

Deuteranopia

83.9028, 0.3326, 0.3340



Tritanopia

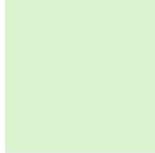
84.5866, 0.2836, 0.3164

Trichromacy



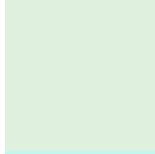
Original Color

84.9211, 0.2853, 0.3757



Protanomaly

83.8709, 0.3188, 0.3665



Deuteranomaly

83.4414, 0.3131, 0.3480



Tritanomaly

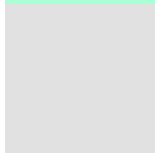
84.2821, 0.2844, 0.3365

Monochromacy



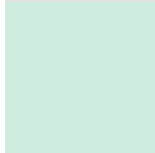
Original Color

84.9211, 0.2853, 0.3757



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.1905, 0.3015, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9211, 0.2853, 0.3757 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 214) }
```

Border

The CSS property to change the border of an element to Yxy 84.9211, 0.2853, 0.3757 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, 214) }
```

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

```
.border{ border-color:rgb(170, 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(170, 255, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(170, 255,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9211, 0.2853, 0.3757 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, 214) }
```

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

```
.background{ background-color: rgb(170,  
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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