

Converting Colors

$Y_{xy}(100.0000, 0.2839, 0.3951)$

Have a look what the booklet for
Yxy(100.0000, 0.2839, 0.3951)
contains.

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Color

Yxy(84.7452, 0.2822, 0.3724)

Conversions

Conversions Part 1

Format	Color
Hex	A7FFD9
RGB	167, 255, 217
RGB Percent	65%, 100%, 85%
CMY	0.3451, 0.0000, 0.1491
CMYK	0.35, 0.00, 0.15, 0.00
HSL	154°, 100%, 83%
HSV	154°, 35%, 100%
XYZ	64.2188, 84.7452, 78.6009
YIQ	224.3560, -40.2500, -30.4740

Conversions

Conversions Part 2

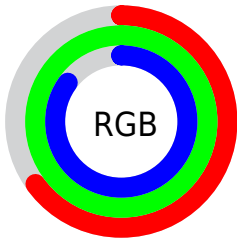
Format	Color
RYB	167, 223, 255
Decimal	11010009
CIELab	93.77, -34.42, 9.85
CIELCh	94, 35.798, 164.026
Yxy	84.7452, 0.2822, 0.3724
Android (android.graphics.Color)	4289200089 (0xFFA7FFD9)
YUV	224.3560, -3.6265, -50.3012
Hunter-Lab	92.0572, -36.5789, 13.8166

Details

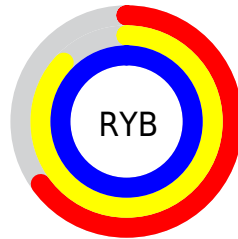
The Yxy color **84.7452, 0.2822, 0.3724** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.3095, 0.3592, 0.2898**, and the grayscale version is **74.8562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **46.4415, 0.2755, 0.3831** is the 20% darker color. If you saturate the color by 10%, you get **81.6815, 0.2751, 0.3876**, and if you desaturate by 10%, it is **88.3940, 0.2903, 0.3583**.

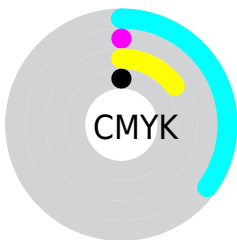
Distribution



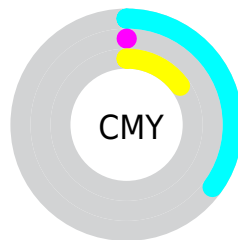
- Red (65%)
- Green (100%)
- Blue (85%)



- Red (65%)
- Yellow (87%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7452, 0.2822, 0.3724 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 84.7452, 0.2822, 0.3724 by changing the saturation by 10% instead.


 84.7452, 0.2822,
0.3724


 84.7452, 0.2822,
0.3724


510.7846, 0.2962,
0.3522

 63.6309, 0.2790,
0.3770


 140.0171, 0.2870,
0.3654

 46.3518, 0.2751,
0.3828


 174.9435, 0.2889,
0.3627

 32.5235, 0.2702,
0.3900


215.2427, 0.2906,
0.3603

 21.7617, 0.2637,
0.3996

261.2991, 0.2920,
0.3583

 13.6819, 0.2551,
0.4126

313.4971, 0.2932,
0.3565

 7.8997, 0.2427,
0.4315

372.2211, 0.2943,

 4.0309, 0.2237,

0.3549

0.4610

437.8554, 0.2953,
0.3535

1.6908, 0.1862,
0.5169

0.4177, 0.0000,
1.0000

84.7452, 0.2822,
0.3724

84.7452, 0.2822,
0.3724

81.6815, 0.2751,
0.3876

88.3940, 0.2903,
0.3583

79.1709, 0.2693,
0.4038

92.6595, 0.2992,
0.3454

77.1765, 0.2653,
0.4206

97.5694, 0.3085,
0.3338

75.6573, 0.2631,
0.4378

100.0000, 0.3127,
0.3290

■ 74.5657, 0.2631,
0.4548

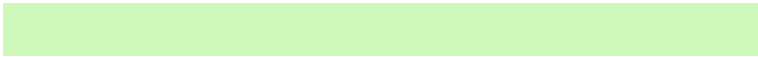
■ 73.8433, 0.2650,
0.4714

■ 73.5584, 0.2667,
0.4802

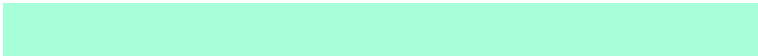
Harmonies

Analogous

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



84.7452, 0.3220, 0.3983



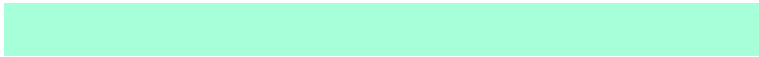
84.7452, 0.2822, 0.3724



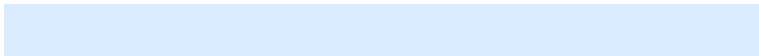
84.7452, 0.2519, 0.3331

Triad

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



84.7452, 0.2822, 0.3724



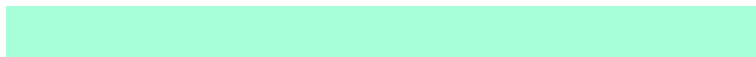
84.7452, 0.2635, 0.2626



84.7452, 0.3940, 0.3537

Complementary

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



84.7452, 0.2822, 0.3724



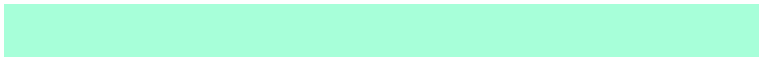
53.3095, 0.3592, 0.2898

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.



84.7452, 0.3766, 0.3204



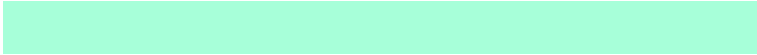
84.7452, 0.2822, 0.3724



84.7452, 0.2992, 0.2699

Square

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



84.7452, 0.2822, 0.3724



84.7452, 0.2418, 0.2710



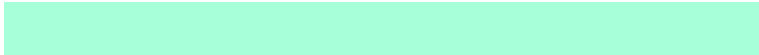
84.7452, 0.3410, 0.2906



84.7452, 0.3878, 0.3835

Rectangle

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



84.7452, 0.2822, 0.3724



84.7452, 0.2404, 0.3072



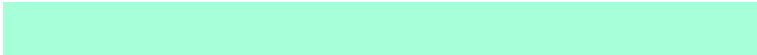
84.7452, 0.3410, 0.2906



84.7452, 0.3908, 0.3426

Sweetspot

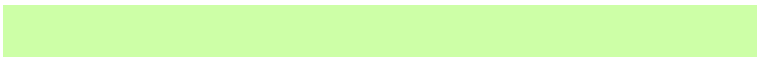
The Sweet Spot groups the original color and five complimentary colors.



84.7448, 0.2822, 0.3724



94.7909, 0.3033, 0.3400



87.3090, 0.3313, 0.4257



20.1438, 0.3020, 0.3417



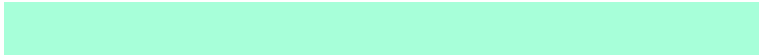
0.0000, 0.0000, 0.0000



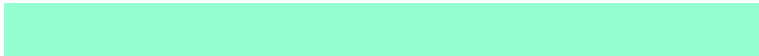
21.4041, 0.3127, 0.3290

Same Dimension

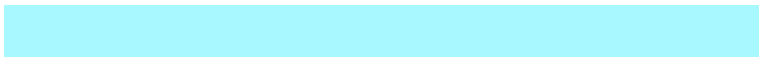
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7448, 0.2822, 0.3724



82.6911, 0.2774, 0.3822



83.2704, 0.2629, 0.3224



20.3410, 0.3038, 0.3395



38.4664, 0.2660, 0.4776



3.7673, 0.2608, 0.4590

Inverse Universe

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



53.3095, 0.3592, 0.2898



47.1852, 0.3717, 0.2823



53.8890, 0.3930, 0.3354



18.1174, 0.3226, 0.3188



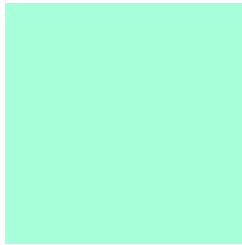
11.7279, 0.5251, 0.2666



1.1633, 0.4963, 0.2508

Previews

White Background



This preview shows how the Yxy color 84.7452, 0.2822, 0.3724 looks on a white background.

Color Contrast Check

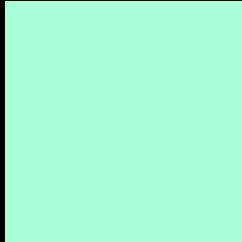
Large Text (above 18pt) WCAG AA × Fail

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 84.7452, 0.2822, 0.3724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

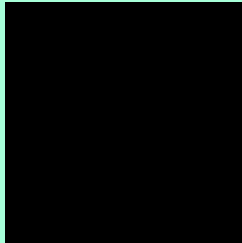
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.7452, 0.2822, 0.3724

Background



This preview shows how black text looks on a background with the Yxy color 84.7452, 0.2822, 0.3724.

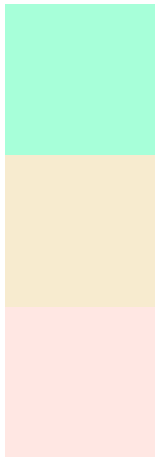


This preview shows how white text looks on a background with the Yxy color 84.7452, 0.2822, 0.3724.

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

84.7452, 0.2822, 0.3724

Protanopia

83.6958, 0.3390, 0.3576

Deuteranopia

83.9579, 0.3319, 0.3330



Tritanopia

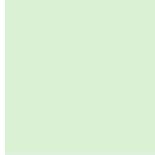
84.3003, 0.2825, 0.3163

Trichromacy



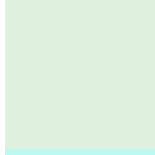
Original Color

84.7452, 0.2822, 0.3724



Protanomaly

83.1128, 0.3157, 0.3623



Deuteranomaly

83.3359, 0.3119, 0.3469



Tritanomaly

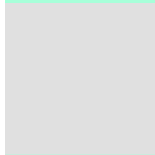
83.9488, 0.2822, 0.3354

Monochromacy



Original Color

84.7452, 0.2822, 0.3724



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.3336, 0.3002, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7452, 0.2822, 0.3724 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(167, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 217)  
}
```

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(167, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 84.7452, 0.2822, 0.3724 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(167, 255, 217) }
```

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

```
.border{ border-color:rgb(167, 255, 217) }
```

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

Here you see how a box with a 4 pixel rgb(167, 255, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7452, 0.2822, 0.3724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 217) }
```

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

```
.background{ background-color: rgb(167,  
255, 217) }
```

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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