

Converting Colors

$Yxy(84.5557, 0.2756, 0.3595)$

Have a look what the booklet for
Yxy(84.5557, 0.2756, 0.3595)
contains.

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Color

Yxy(84.3222, 0.2756, 0.3596)

Conversions

Conversions Part 1

Format	Color
Hex	A4FEE3
RGB	164, 254, 227
RGB Percent	64%, 100%, 89%
CMY	0.3566, 0.0039, 0.1098
CMYK	0.35, 0.00, 0.11, 0.00
HSL	162°, 98%, 82%
HSV	162°, 35%, 100%
XYZ	64.6251, 84.3222, 85.5415
YIQ	224.0120, -44.9730, -27.4770

Conversions

Conversions Part 2

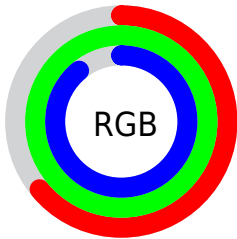
Format	Color
RYB	164, 217, 254
Decimal	10813155
CIELab	93.59, -32.70, 4.40
CIELCh	94, 32.999, 172.331
Yxy	84.3222, 0.2756, 0.3596
Android (android.graphics.Color)	4289003235 (0xFFA4FEE3)
YUV	224.0120, 1.4731, -52.6305
Hunter-Lab	91.8271, -35.0746, 9.0474

Details

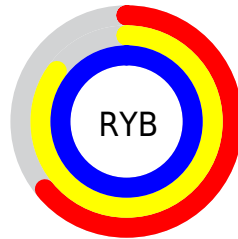
The Yxy color **84.3222, 0.2756, 0.3596** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **51.4059, 0.3720, 0.3009**, and the grayscale version is **74.5742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **46.0992, 0.2670, 0.3663** is the 20% darker color. If you saturate the color by 10%, you get **81.4748, 0.2673, 0.3699**, and if you desaturate by 10%, it is **87.7348, 0.2851, 0.3500**.

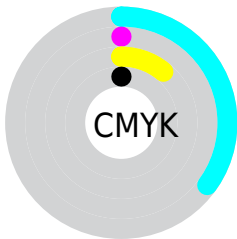
Distribution



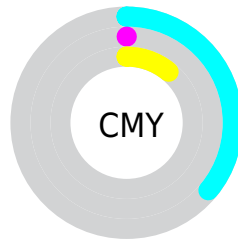
- Red (64%)
- Green (100%)
- Blue (89%)



- Red (64%)
- Yellow (85%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.3222, 0.2756, 0.3596 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 84.3222, 0.2756, 0.3596 by changing the saturation by 10% instead.

 84.3222, 0.2756,
0.3596


 84.3222, 0.2756,
0.3596


509.3826, 0.2924,
0.3456

 63.2815, 0.2718,
0.3628


 139.4258, 0.2814,
0.3548

 46.0690, 0.2673,
0.3667


 174.2575, 0.2836,
0.3529

 32.3002, 0.2615,
0.3716


214.4549, 0.2856,
0.3512

 21.5909, 0.2541,
0.3780

260.4025, 0.2873,
0.3498

 13.5566, 0.2442,
0.3866

312.4847, 0.2888,
0.3486

 7.8130, 0.2304,
0.3989

371.0858, 0.2901,

 3.9755, 0.2098,

0.3475

0.4178

436.5903, 0.2913,
0.3465

1.6599, 0.1721,
0.4523

0.3975, 0.0000,
0.7609

84.3222, 0.2756,
0.3596

84.3222, 0.2756,
0.3596

81.4748, 0.2673,
0.3699

87.7348, 0.2851,
0.3500

79.1497, 0.2605,
0.3808

91.7321, 0.2956,
0.3411

77.3145, 0.2555,
0.3921

96.3452, 0.3066,
0.3330

75.9284, 0.2524,
0.4037

99.3608, 0.3128,
0.3280

■ 74.9442, 0.2514,
0.4153

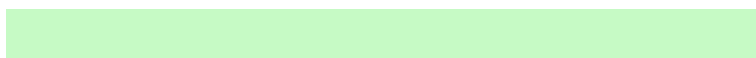
■ 74.3033, 0.2524,
0.4267

■ 74.0854, 0.2533,
0.4319

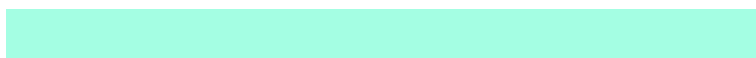
Harmonies

Analogous

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



84.3222, 0.3109, 0.3880



84.3222, 0.2756, 0.3596



84.3222, 0.2511, 0.3228

Triad

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



84.3222, 0.2756, 0.3596



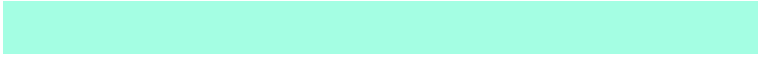
84.3222, 0.2753, 0.2678



84.3222, 0.3884, 0.3605

Complementary

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



84.3222, 0.2756, 0.3596



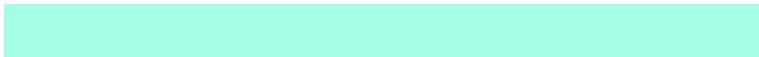
51.4059, 0.3720, 0.3009

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.



84.3222, 0.3781, 0.3297



84.3222, 0.2756, 0.3596



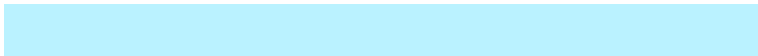
84.3222, 0.3109, 0.2783

Square

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



84.3222, 0.2756, 0.3596



84.3222, 0.2510, 0.2716



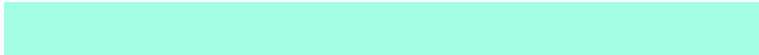
84.3222, 0.3491, 0.3004



84.3222, 0.3769, 0.3857

Rectangle

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



84.3222, 0.2756, 0.3596



84.3222, 0.2434, 0.3002



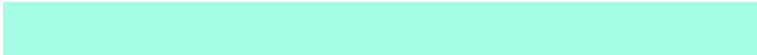
84.3222, 0.3491, 0.3004



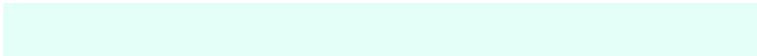
84.3222, 0.3874, 0.3504

Sweetspot

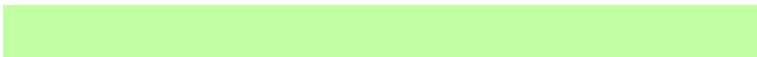
The Sweet Spot groups the original color and five complimentary colors.



84.3256, 0.2756, 0.3596



94.5323, 0.3004, 0.3374



84.8402, 0.3250, 0.4306



20.1011, 0.2989, 0.3385



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

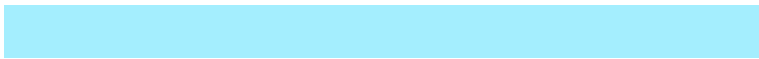
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3256, 0.2756, 0.3596



83.1264, 0.2700, 0.3663



75.9167, 0.2602, 0.3103



20.3831, 0.3020, 0.3362



39.0876, 0.2528, 0.4300



3.8252, 0.2492, 0.4170

Inverse Universe

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



51.4059, 0.3720, 0.3009



45.7057, 0.3884, 0.2956



56.6163, 0.3919, 0.3466



18.0768, 0.3247, 0.3219



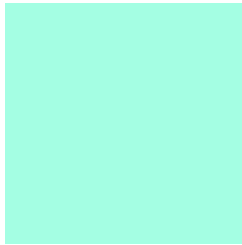
11.4083, 0.5768, 0.2951



1.1291, 0.5448, 0.2775

Previews

White Background



This preview shows how the Yxy color 84.3222, 0.2756, 0.3596 looks on a white background.

Color Contrast Check

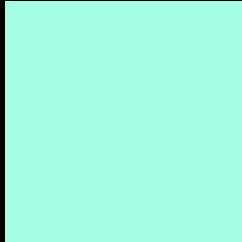
Large Text (above 18pt) WCAG AA × Fail

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 84.3222, 0.2756, 0.3596 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 84.3222, 0.2756, 0.3596

Background



This preview shows how black text looks on a background with the Yxy color 84.3222, 0.2756, 0.3596.

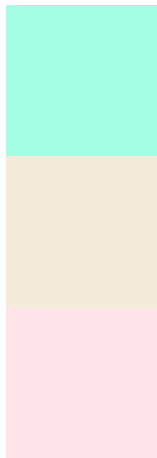


This preview shows how white text looks on a background with the Yxy color 84.3222, 0.2756, 0.3596.

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

84.3222, 0.2756, 0.3596

Protanopia

83.6076, 0.3310, 0.3485

Deuteranopia

83.1818, 0.3282, 0.3251



Tritanopia

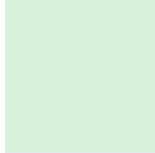
83.8777, 0.2808, 0.3163

Trichromacy



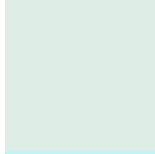
Original Color

84.3222, 0.2756, 0.3596



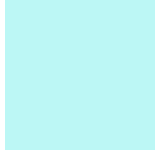
Protanomaly

83.1186, 0.3084, 0.3526



Deuteranomaly

82.4482, 0.3065, 0.3363



Tritanomaly

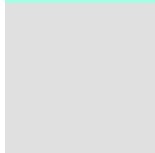
83.8055, 0.2784, 0.3311

Monochromacy



Original Color

84.3222, 0.2756, 0.3596



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.4095, 0.2972, 0.3400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3222, 0.2756, 0.3596 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(164, 254, 227)` looks like.

```
.text, #text, p{  
    color:rgb(164, 254, 227)  
}
```

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(164, 254, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 254, 227) }
```

Border

The CSS property to change the border of an element to Yxy 84.3222, 0.2756, 0.3596 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(164, 254, 227) }
```

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

```
.border{ border-color:rgb(164, 254, 227) }
```

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

Here you see how a box with a 4 pixel rgb(164, 254, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 254, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 254, 227);  
box-shadow:4px 4px 4px 4px rgb(164, 254,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3222, 0.2756, 0.3596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 254, 227) }
```

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

```
.background{ background-color: rgb(164,  
254, 227) }
```

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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