

Converting Colors

$Yxy(84.1941, 0.2728, 0.3429)$

Have a look what the booklet for
Yxy(84.1941, 0.2728, 0.3429)
contains.

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Color

Yxy(84.5107, 0.2730, 0.3434)

Conversions

Conversions Part 1

Format	Color
Hex	ABFCEF
RGB	171, 252, 239
RGB Percent	67%, 99%, 94%
CMY	0.3293, 0.0118, 0.0629
CMYK	0.32, 0.00, 0.05, 0.01
HSL	170°, 93%, 83%
HSV	170°, 32%, 99%
XYZ	67.1853, 84.5107, 94.4039
YIQ	226.2990, -44.1030, -21.2150

Conversions

Conversions Part 2

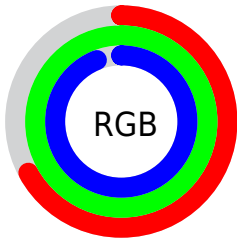
Format	Color
RYB	171, 215, 252
Decimal	11271407
CIELab	93.67, -27.33, -1.62
CIELCh	94, 27.373, 183.394
Yxy	84.5107, 0.2730, 0.3434
Android (android.graphics.Color)	4289461487 (0xFFABFCEF)
YUV	226.2990, 6.2616, -48.4972
Hunter-Lab	91.9297, -30.4233, 3.4650

Details

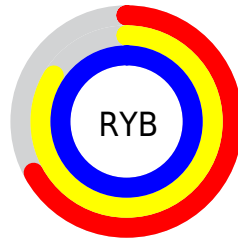
The Yxy color **84.5107, 0.2730, 0.3434** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.2976, 0.3750, 0.3154**, and the grayscale version is **76.2636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **46.0939, 0.2640, 0.3464** is the 20% darker color. If you saturate the color by 10%, you get **81.7110, 0.2629, 0.3486**, and if you desaturate by 10%, it is **87.8620, 0.2844, 0.3385**.

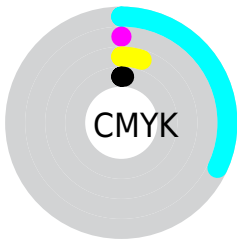
Distribution



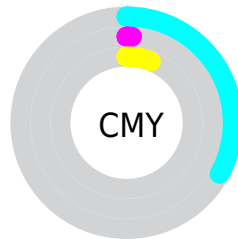
- Red (67%)
- Green (99%)
- Blue (94%)



- Red (67%)
- Yellow (84%)
- Blue (99%)



- Cyan (32%)
- Magenta (0%)
- Yellow (5%)
- Black (1%)





- Cyan (33%)
- Magenta (1%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5107, 0.2730, 0.3434 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 84.5107, 0.2730, 0.3434 by changing the saturation by 10% instead.


 84.5107, 0.2730,
0.3434

 84.5107, 0.2730,
0.3434


510.0076, 0.2908,
0.3370

 63.4372, 0.2691,
0.3448

 139.6893, 0.2791,
0.3412

 46.1950, 0.2643,
0.3465

174.5632, 0.2814,
0.3404

 32.3997, 0.2583,
0.3486


214.8061, 0.2835,
0.3396

 21.6670, 0.2507,
0.3512

260.8022, 0.2853,
0.3390

 13.6124, 0.2407,
0.3547

312.9360, 0.2869,
0.3384

 7.8516, 0.2268,
0.3593

371.5919, 0.2884,

 4.0001, 0.2064,

0.3379

0.3661

437.1543, 0.2896,
0.3374

■ 1.6736, 0.1735,
0.3764

■ 0.4065, 0.0000,
0.4224

■ 84.5107, 0.2730,
0.3434

■ 84.5107, 0.2730,
0.3434

■ 81.7110, 0.2629,
0.3486

■ 87.8620, 0.2844,
0.3385

■ 79.4220, 0.2544,
0.3541

■ 91.7832, 0.2968,
0.3340

■ 77.6133, 0.2476,
0.3598

■ 96.3039, 0.3099,
0.3298

■ 76.2467, 0.2428,
0.3656

■ 98.1027, 0.3128,
0.3262

■ 75.2787, 0.2400,
0.3714

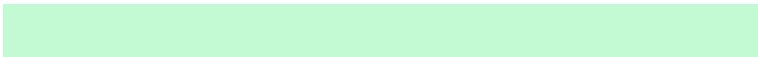
■ 74.6563, 0.2391,
0.3772

■ 74.3472, 0.2394,
0.3817

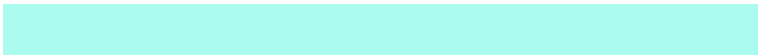
Harmonies

Analogous

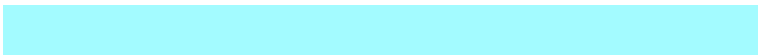
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5107, 0.3000, 0.3703



84.5107, 0.2730, 0.3434



84.5107, 0.2568, 0.3135

Triad

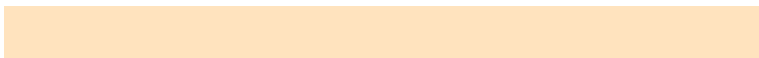
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.5107, 0.2730, 0.3434



84.5107, 0.2919, 0.2795



84.5107, 0.3739, 0.3643

Complementary

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



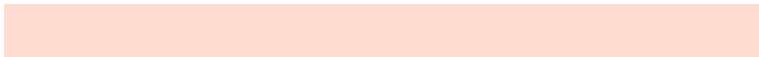
84.5107, 0.2730, 0.3434



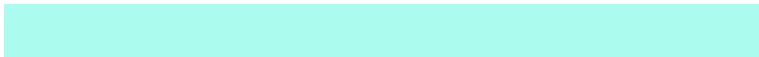
53.2976, 0.3750, 0.3154

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.



84.5107, 0.3720, 0.3397



84.5107, 0.2730, 0.3434



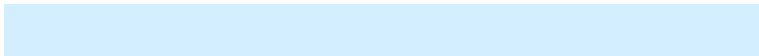
84.5107, 0.3233, 0.2924

Square

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



84.5107, 0.2730, 0.3434



84.5107, 0.2673, 0.2783



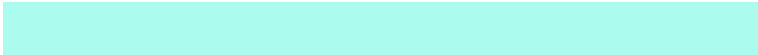
84.5107, 0.3531, 0.3139



84.5107, 0.3587, 0.3813

Rectangle

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



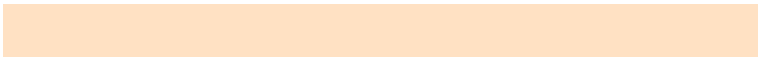
84.5107, 0.2730, 0.3434



84.5107, 0.2538, 0.2968



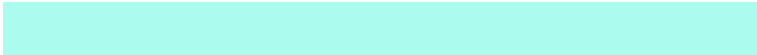
84.5107, 0.3531, 0.3139



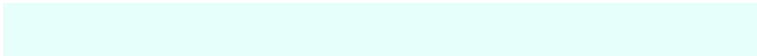
84.5107, 0.3753, 0.3566

Sweetspot

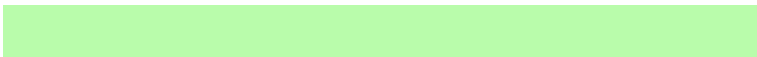
The Sweet Spot groups the original color and five complimentary colors.



84.5141, 0.2730, 0.3434



95.2187, 0.2995, 0.3331



82.8197, 0.3164, 0.4223



20.2477, 0.2977, 0.3337



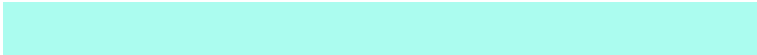
0.0000, 0.0000, 0.0000



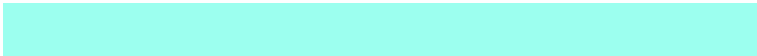
21.4041, 0.3127, 0.3290

Same Dimension

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



84.5141, 0.2730, 0.3434



84.7743, 0.2659, 0.3470



69.5473, 0.2629, 0.2983



19.5578, 0.3002, 0.3328



38.7457, 0.2391, 0.3807



3.6010, 0.2372, 0.3738

Inverse Universe

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



53.2976, 0.3750, 0.3154



47.8480, 0.3947, 0.3124



64.0359, 0.3781, 0.3576



17.2708, 0.3269, 0.3252



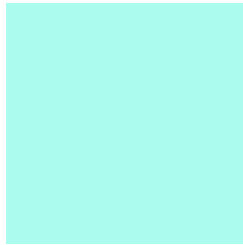
10.8762, 0.6173, 0.3174



1.0201, 0.5880, 0.3013

Previews

White Background



This preview shows how the Yxy color 84.5107, 0.2730, 0.3434 looks on a white background.

Color Contrast Check

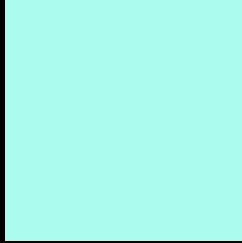
Large Text (above 18pt) WCAG AA × Fail

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 84.5107, 0.2730, 0.3434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

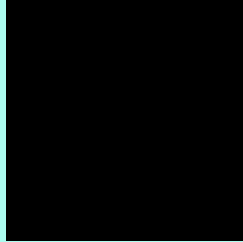
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

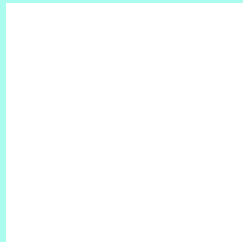
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.5107, 0.2730, 0.3434

Background



This preview shows how black text looks on a background with the Yxy color 84.5107, 0.2730, 0.3434.

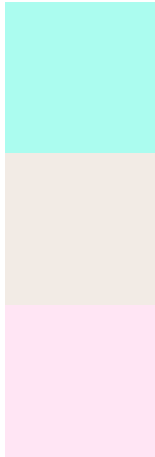


This preview shows how white text looks on a background with the Yxy color 84.5107, 0.2730, 0.3434.

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

84.5107, 0.2730, 0.3434

Protanopia

83.9510, 0.3212, 0.3351

Deuteranopia

83.8303, 0.3209, 0.3144



Tritanopia

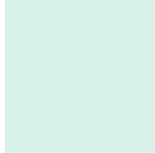
84.1586, 0.2819, 0.3163

Trichromacy



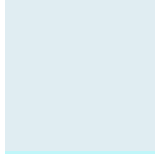
Original Color

84.5107, 0.2730, 0.3434



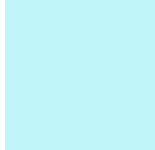
Protanomaly

83.3927, 0.3014, 0.3374



Deuteranomaly

82.8265, 0.3012, 0.3238



Tritanomaly

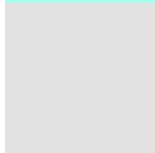
83.9576, 0.2785, 0.3257

Monochromacy



Original Color

84.5107, 0.2730, 0.3434



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.3080, 0.2962, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5107, 0.2730, 0.3434 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(171, 252, 239)` looks like.

```
.text, #text, p{  
    color:rgb(171, 252, 239)  
}
```

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(171, 252, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 252, 239) }
```

Border

The CSS property to change the border of an element to Yxy 84.5107, 0.2730, 0.3434 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(171, 252, 239) }
```

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

```
.border{ border-color:rgb(171, 252, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 252, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 252, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 252, 239);  
box-shadow:4px 4px 4px 4px rgb(171, 252,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5107, 0.2730, 0.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 252, 239) }
```

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

```
.background{ background-color: rgb(171,  
252, 239) }
```

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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