

Converting Colors

$Yxy(84.0821, 0.2739, 0.3647)$

Have a look what the booklet for
Yxy(84.0821, 0.2739, 0.3647)
contains.

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Color

Yxy(84.0699, 0.2737, 0.3646)

Conversions

Conversions Part 1

Format	Color
Hex	9DFFE0
RGB	157, 255, 224
RGB Percent	62%, 100%, 88%
CMY	0.3845, 0.0000, 0.1217
CMYK	0.38, 0.00, 0.12, 0.00
HSL	161°, 100%, 81%
HSV	161°, 38%, 100%
XYZ	63.1101, 84.0699, 83.4012
YIQ	222.1640, -48.4570, -30.4170

Conversions

Conversions Part 2

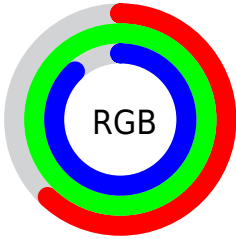
Format	Color
RYB	157, 215, 255
Decimal	10354656
CIELab	93.48, -35.70, 5.77
CIELCh	93, 36.159, 170.822
Yxy	84.0699, 0.2737, 0.3646
Android (android.graphics.Color)	4288544736 (0xFF9DFFE0)
YUV	222.1640, 0.9051, -57.1488
Hunter-Lab	91.6896, -37.5951, 10.2524

Details

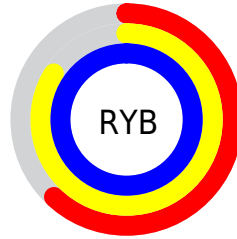
The Yxy color **84.0699, 0.2737, 0.3646** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.9915, 0.3778, 0.2967**, and the grayscale version is **73.1766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **45.9621, 0.2646, 0.3729** is the 20% darker color. If you saturate the color by 10%, you get **81.3351, 0.2660, 0.3757**, and if you desaturate by 10%, it is **87.3501, 0.2827, 0.3542**.

Distribution



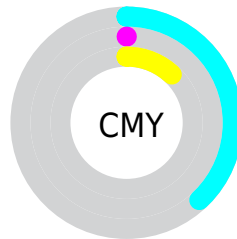
- Red (62%)
- Green (100%)
- Blue (88%)



- Red (62%)
- Yellow (84%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0699, 0.2737, 0.3646 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 84.0699, 0.2737, 0.3646 by changing the saturation by 10% instead.

 84.0699, 0.2737,
0.3646


 84.0699, 0.2737,
0.3646


508.5453, 0.2914,
0.3482

 63.0731, 0.2697,
0.3683


 139.0730, 0.2798,
0.3589

 45.9004, 0.2649,
0.3729


 173.8480, 0.2822,
0.3567

 32.1672, 0.2588,
0.3787


213.9847, 0.2842,
0.3548

 21.4893, 0.2509,
0.3863

259.8673, 0.2860,
0.3531

 13.4821, 0.2404,
0.3966

311.8803, 0.2876,
0.3517

 7.7614, 0.2257,
0.4113

370.4080, 0.2890,

 3.9426, 0.2036,

0.3504

0.4340

435.8349, 0.2903,
0.3492

1.6415, 0.1593,
0.4780

0.3854, 0.0000,
0.9592

84.0699, 0.2737,
0.3646

84.0699, 0.2737,
0.3646

81.3351, 0.2660,
0.3757

87.3501, 0.2827,
0.3542

79.1277, 0.2598,
0.3874

91.2224, 0.2927,
0.3445

77.4047, 0.2555,
0.3995

95.7102, 0.3034,
0.3357

76.1233, 0.2532,
0.4118

100.0000, 0.3127,
0.3290

■ 75.2328, 0.2530,
0.4240

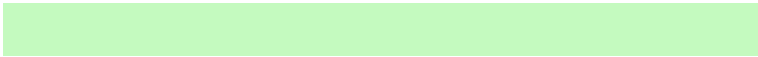
■ 74.6624, 0.2547,
0.4361

■ 74.5876, 0.2550,
0.4379

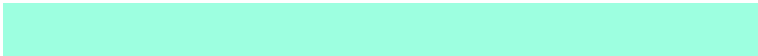
Harmonies

Analogous

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



84.0699, 0.3126, 0.3952



84.0699, 0.2737, 0.3646



84.0699, 0.2463, 0.3239

Triad

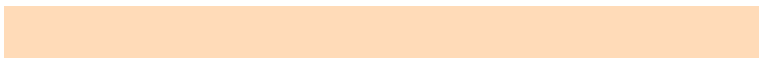
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0699, 0.2737, 0.3646



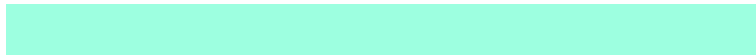
84.0699, 0.2701, 0.2621



84.0699, 0.3958, 0.3613

Complementary

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



84.0699, 0.2737, 0.3646



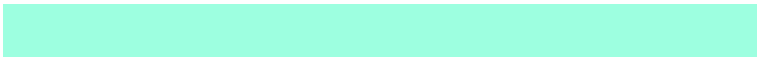
48.9915, 0.3778, 0.2967

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.



84.0699, 0.3834, 0.3278



84.0699, 0.2737, 0.3646



84.0699, 0.3084, 0.2729

Square

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



84.0699, 0.2737, 0.3646



84.0699, 0.2445, 0.2669



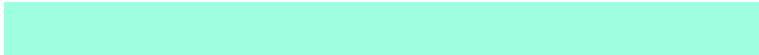
84.0699, 0.3505, 0.2963



84.0699, 0.3841, 0.3897

Rectangle

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



84.0699, 0.2737, 0.3646



84.0699, 0.2375, 0.2989



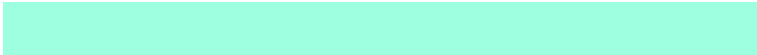
84.0699, 0.3505, 0.2963



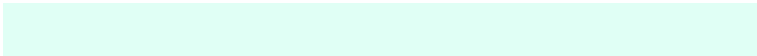
84.0699, 0.3943, 0.3503

Sweetspot

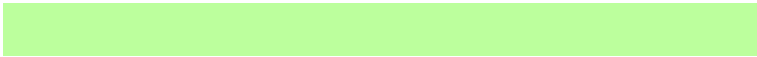
The Sweet Spot groups the original color and five complimentary colors.



84.0646, 0.2737, 0.3646



94.0432, 0.2995, 0.3388



84.6453, 0.3257, 0.4405



20.0023, 0.2981, 0.3399



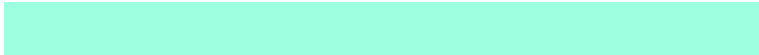
0.0000, 0.0000, 0.0000



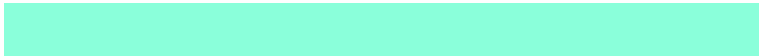
21.4041, 0.3127, 0.3290

Same Dimension

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



84.0646, 0.2737, 0.3646



81.9532, 0.2677, 0.3729



74.9679, 0.2561, 0.3085



20.3779, 0.3022, 0.3366



39.0019, 0.2544, 0.4359



3.8173, 0.2506, 0.4222

Inverse Universe

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



48.9915, 0.3778, 0.2967



42.4392, 0.3972, 0.2906



54.3279, 0.4015, 0.3482



18.0818, 0.3244, 0.3215



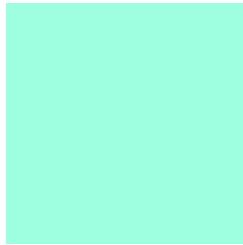
11.4407, 0.5709, 0.2919



1.1328, 0.5390, 0.2743

Previews

White Background



This preview shows how the Yxy color 84.0699, 0.2737, 0.3646 looks on a white background.

Color Contrast Check

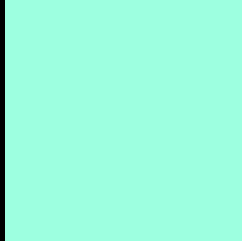
Large Text (above 18pt) WCAG AA × Fail

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 84.0699, 0.2737, 0.3646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

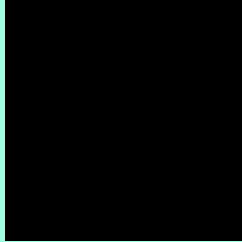
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.0699, 0.2737, 0.3646

Background



This preview shows how black text looks on a background with the Yxy color 84.0699, 0.2737, 0.3646.



This preview shows how white text looks on a background with the Yxy color 84.0699, 0.2737, 0.3646.

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

84.0699, 0.2737, 0.3646

Protanopia

82.8828, 0.3331, 0.3506

Deuteranopia

83.0681, 0.3295, 0.3271



Tritanopia

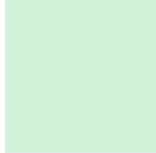
83.6005, 0.2796, 0.3162

Trichromacy



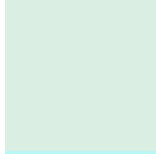
Original Color

84.0699, 0.2737, 0.3646



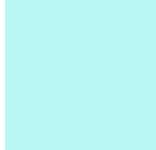
Protanomaly

82.5111, 0.3082, 0.3560



Deuteranomaly

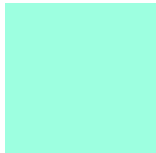
81.8106, 0.3063, 0.3396



Tritanomaly

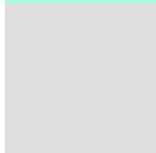
83.2435, 0.2768, 0.3322

Monochromacy



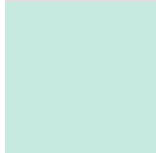
Original Color

84.0699, 0.2737, 0.3646



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.1791, 0.2958, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0699, 0.2737, 0.3646 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(157, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 224)  
}
```

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(157, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 224) }
```

Border

The CSS property to change the border of an element to Yxy 84.0699, 0.2737, 0.3646 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(157, 255, 224) }
```

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

```
.border{ border-color:rgb(157, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0699, 0.2737, 0.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 224) }
```

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

```
.background{ background-color: rgb(157,  
255, 224) }
```

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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