

Converting Colors

$Yxy(83.7144, 0.2722, 0.3354)$

Have a look what the booklet for
Yxy(83.7144, 0.2722, 0.3354)
contains.

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Color

Yxy(84.0168, 0.2723, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	AFFAF4
RGB	175, 250, 244
RGB Percent	69%, 98%, 96%
CMY	0.3138, 0.0196, 0.0431
CMYK	0.30, 0.00, 0.02, 0.02
HSL	175°, 88%, 83%
HSV	175°, 30%, 98%
XYZ	68.1901, 84.0168, 98.2158
YIQ	226.8910, -42.7740, -17.7660

Conversions

Conversions Part 2

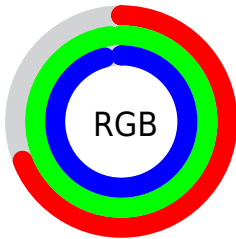
Format	Color
RYB	175, 214, 250
Decimal	11533044
CIELab	93.46, -24.19, -4.52
CIELCh	93, 24.612, 190.589
Yxy	84.0168, 0.2723, 0.3355
Android (android.graphics.Color)	4289723124 (0xFFAFFAF4)
YUV	226.8910, 8.4347, -45.5084
Hunter-Lab	91.6607, -27.6128, 0.6324

Details

The Yxy color **84.0168, 0.2723, 0.3355** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.3114, 0.3750, 0.3228**, and the grayscale version is **76.6920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **45.7638, 0.2636, 0.3361** is the 20% darker color. If you saturate the color by 10%, you get **81.2698, 0.2611, 0.3380**, and if you desaturate by 10%, it is **87.3073, 0.2848, 0.3332**.

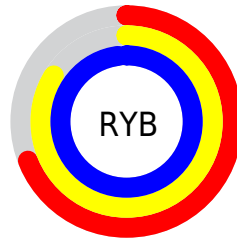
Distribution



Red (69%)

Green (98%)

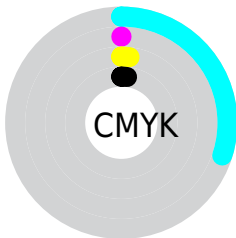
Blue (96%)



Red (69%)

Yellow (84%)

Blue (98%)

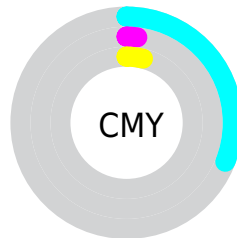


Cyan (30%)

Magenta (0%)

Yellow (2%)

Black (2%)



Cyan (31%)


Magenta (2%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0168, 0.2723, 0.3355 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 84.0168, 0.2723, 0.3355 by changing the saturation by 10% instead.


 84.0168, 0.2723,
0.3355

 84.0168, 0.2723,
0.3355


508.3690, 0.2904,
0.3328

 63.0293, 0.2683,
0.3361

 138.9987, 0.2784,
0.3346

 45.8649, 0.2635,
0.3367


173.7618, 0.2809,
0.3343

 32.1392, 0.2575,
0.3375

213.8857, 0.2830,
0.3339

 21.4679, 0.2498,
0.3384

259.7546, 0.2848,
0.3337

 13.4664, 0.2397,
0.3395

311.7530, 0.2864,
0.3334

 7.7505, 0.2257,
0.3409

370.2653, 0.2879,


 3.9357, 0.2054,


0.3332


0.3424


435.6758, 0.2892,
0.3330

 1.6377, 0.1732,
0.3436

 0.3828, 0.0000,
0.3431


 84.0168, 0.2723,
0.3355


 84.0168, 0.2723,
0.3355


 81.2698, 0.2611,
0.3380

 87.3073, 0.2848,
0.3332


 79.0267, 0.2516,
0.3406


 91.1586, 0.2984,
0.3310


 77.2583, 0.2438,
0.3433


 95.5995, 0.3127,
0.3290


 75.9283, 0.2380,
0.3460

 96.6656, 0.3147,
0.3271

 74.9954, 0.2342,
0.3488

 96.7930, 0.3135,
0.3252

 74.4100, 0.2322,
0.3515

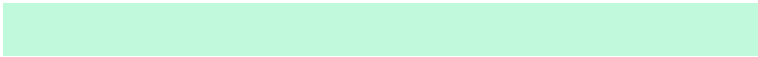
 96.8569, 0.3129,
0.3242

 74.0908, 0.2317,
0.3542

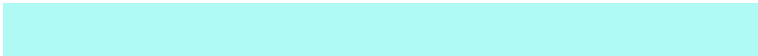
Harmonies

Analogous

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



84.0168, 0.2949, 0.3610



84.0168, 0.2723, 0.3355



84.0168, 0.2605, 0.3094

Triad

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



84.0168, 0.2723, 0.3355



84.0168, 0.3005, 0.2860



84.0168, 0.3659, 0.3656

Complementary

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



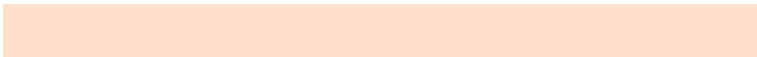
84.0168, 0.2723, 0.3355



54.3114, 0.3750, 0.3228

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.



84.0168, 0.3679, 0.3445



84.0168, 0.2723, 0.3355



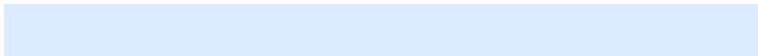
84.0168, 0.3292, 0.2999

Square

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



84.0168, 0.2723, 0.3355



84.0168, 0.2762, 0.2824



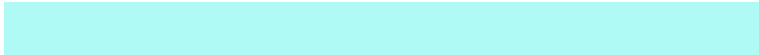
84.0168, 0.3543, 0.3208



84.0168, 0.3491, 0.3781

Rectangle

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



84.0168, 0.2723, 0.3355



84.0168, 0.2599, 0.2956



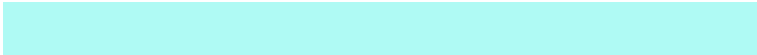
84.0168, 0.3543, 0.3208



84.0168, 0.3684, 0.3592

Sweetspot

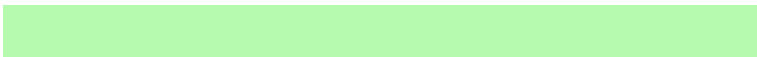
The Sweet Spot groups the original color and five complimentary colors.



84.0202, 0.2723, 0.3355



95.7865, 0.2998, 0.3308



81.3225, 0.3124, 0.4162



20.3667, 0.2977, 0.3311



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

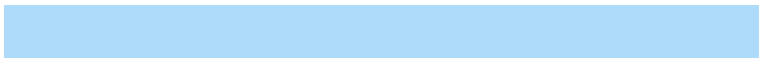
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0202, 0.2723, 0.3355



86.0837, 0.2654, 0.3370



66.5440, 0.2653, 0.2933



19.5832, 0.2991, 0.3309



39.3070, 0.2316, 0.3537



3.6474, 0.2307, 0.3505

Inverse Universe

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



54.3114, 0.3750, 0.3228



50.4483, 0.3931, 0.3215



67.6779, 0.3707, 0.3621



17.2477, 0.3281, 0.3271



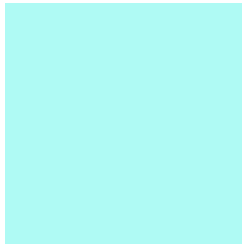
10.8152, 0.6315, 0.3253



1.0092, 0.6127, 0.3149

Previews

White Background



This preview shows how the Yxy color 84.0168, 0.2723, 0.3355 looks on a white background.

Color Contrast Check

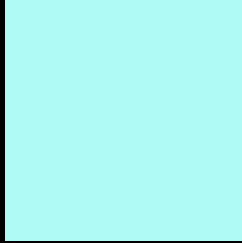
Large Text (above 18pt) WCAG AA × Fail

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 84.0168, 0.2723, 0.3355 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

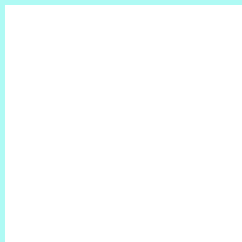
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.0168, 0.2723, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 84.0168, 0.2723, 0.3355.

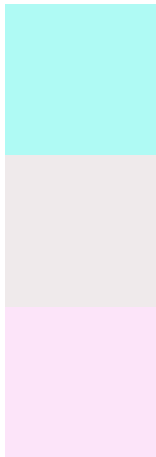


This preview shows how white text looks on a background with the Yxy color 84.0168, 0.2723, 0.3355.

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

84.0168, 0.2723, 0.3355

Protanopia

83.1945, 0.3155, 0.3280

Deuteranopia

83.0218, 0.3157, 0.3084



Tritanopia

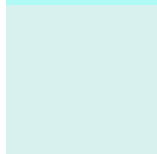
83.4208, 0.2813, 0.3152

Trichromacy



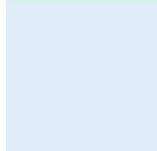
Original Color

84.0168, 0.2723, 0.3355



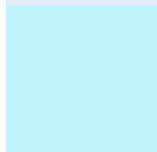
Protanomaly

83.0922, 0.2985, 0.3311



Deuteranomaly

82.5536, 0.2983, 0.3176



Tritanomaly

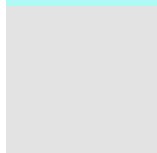
83.6073, 0.2779, 0.3225

Monochromacy



Original Color

84.0168, 0.2723, 0.3355



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

78.7098, 0.2963, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0168, 0.2723, 0.3355 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(175, 250, 244)` looks like.

```
.text, #text, p{  
    color:rgb(175, 250, 244)  
}
```

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(175, 250, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 250, 244) }
```

Border

The CSS property to change the border of an element to Yxy 84.0168, 0.2723, 0.3355 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(175, 250, 244) }
```

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

```
.border{ border-color:rgb(175, 250, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 250, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 250, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 250, 244);  
box-shadow:4px 4px 4px 4px rgb(175, 250,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0168, 0.2723, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 250, 244) }
```

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

```
.background{ background-color: rgb(175,  
250, 244) }
```

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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