

Converting Colors

Yxy(83.8443, 0.2723, 0.3366)

Have a look what the booklet for
Yxy(83.8443, 0.2723, 0.3366)
contains.

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Color

Yxy(83.8409, 0.2723, 0.3366)

Conversions

Conversions Part 1

Format	Color
Hex	AEFAF3
RGB	174, 250, 243
RGB Percent	68%, 98%, 95%
CMY	0.3175, 0.0196, 0.0470
CMYK	0.30, 0.00, 0.03, 0.02
HSL	174°, 88%, 83%
HSV	174°, 30%, 98%
XYZ	67.8249, 83.8409, 97.4159
YIQ	226.4780, -43.0490, -18.2890

Conversions

Conversions Part 2

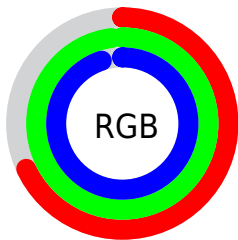
Format	Color
RYB	174, 214, 250
Decimal	11467507
CIELab	93.38, -24.66, -4.13
CIELCh	93, 25.007, 189.502
Yxy	83.8409, 0.2723, 0.3366
Android (android.graphics.Color)	4289657587 (0xFFAEFAF3)
YUV	226.4780, 8.1453, -46.0232
Hunter-Lab	91.5647, -28.0174, 1.0165

Details

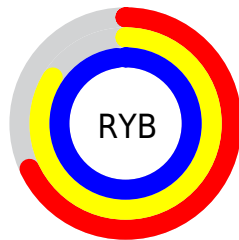
The Yxy color **83.8409, 0.2723, 0.3366** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.9430, 0.3752, 0.3217**, and the grayscale version is **76.3871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **45.6497, 0.2636, 0.3375** is the 20% darker color. If you saturate the color by 10%, you get **81.0967, 0.2613, 0.3395**, and if you desaturate by 10%, it is **87.1280, 0.2846, 0.3339**.

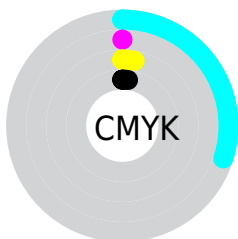
Distribution



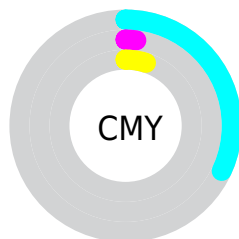
- Red (68%)
- Green (98%)
- Blue (95%)



- Red (68%)
- Yellow (84%)
- Blue (98%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (2%)





- Cyan (32%)
- Magenta (2%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8409, 0.2723, 0.3366 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 83.8409, 0.2723, 0.3366 by changing the saturation by 10% instead.

 83.8409, 0.2723,
0.3366

 83.8409, 0.2723,
0.3366


507.7848, 0.2904,
0.3334

 62.8841, 0.2683,
0.3373


 138.7526, 0.2785,
0.3355

 45.7474, 0.2635,
0.3381


173.4763, 0.2809,
0.3351

 32.0466, 0.2574,
0.3390


213.5577, 0.2830,
0.3347

 21.3971, 0.2497,
0.3402

259.3812, 0.2848,
0.3344

 13.4146, 0.2396,
0.3416

311.3313, 0.2865,
0.3341

 7.7146, 0.2256,
0.3434


369.7924, 0.2879,


 3.9129, 0.2051,


0.3338


0.3456

435.1487, 0.2892,
0.3336


 1.6250, 0.1726,
0.3480


 0.3743, 0.0000,
0.3497


 83.8409, 0.2723,
0.3366


 83.8409, 0.2723,
0.3366


 81.0967, 0.2613,
0.3395


 87.1280, 0.2846,
0.3339


 78.8555, 0.2519,
0.3425

 90.9752, 0.2980,
0.3314

 77.0881, 0.2443,
0.3456

 95.4114, 0.3122,
0.3291

 75.7581, 0.2387,
0.3488


 96.6715, 0.3146,
0.3269

 74.8237, 0.2350,
0.3520

 96.8182, 0.3132,
0.3247

 74.2352, 0.2332,
0.3551

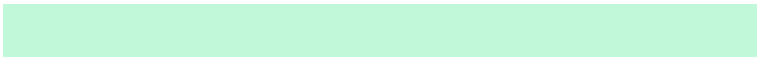
 96.8502, 0.3129,
0.3242

 73.9180, 0.2328,
0.3581

Harmonies

Analogous

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



83.8409, 0.2956, 0.3623



83.8409, 0.2723, 0.3366



83.8409, 0.2599, 0.3099

Triad

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



83.8409, 0.2723, 0.3366



83.8409, 0.2993, 0.2850



83.8409, 0.3671, 0.3655

Complementary

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



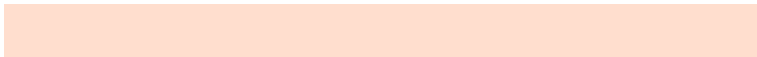
83.8409, 0.2723, 0.3366



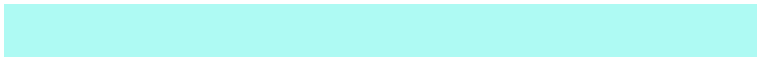
53.9430, 0.3752, 0.3217

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.



83.8409, 0.3687, 0.3439



83.8409, 0.2723, 0.3366



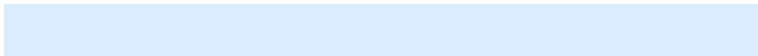
83.8409, 0.3284, 0.2988

Square

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



83.8409, 0.2723, 0.3366



83.8409, 0.2748, 0.2817



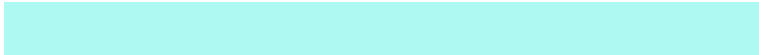
83.8409, 0.3543, 0.3199



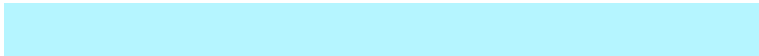
83.8409, 0.3505, 0.3787

Rectangle

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



83.8409, 0.2723, 0.3366



83.8409, 0.2589, 0.2957



83.8409, 0.3543, 0.3199



83.8409, 0.3695, 0.3589

Sweetspot

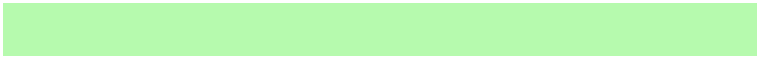
The Sweet Spot groups the original color and five complimentary colors.



83.8443, 0.2723, 0.3366



95.7691, 0.2999, 0.3311



81.3267, 0.3131, 0.4173



20.3623, 0.2979, 0.3314



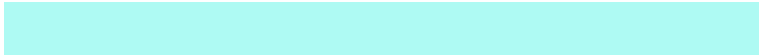
0.0000, 0.0000, 0.0000



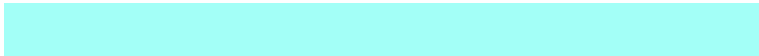
21.4041, 0.3127, 0.3290

Same Dimension

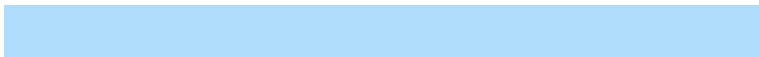
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8443, 0.2723, 0.3366



86.0163, 0.2659, 0.3382



66.8859, 0.2649, 0.2943



19.5795, 0.2993, 0.3312



39.2204, 0.2327, 0.3576



3.6403, 0.2316, 0.3538

Inverse Universe

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



53.9430, 0.3752, 0.3217



50.4900, 0.3920, 0.3204



66.7645, 0.3720, 0.3612



17.2511, 0.3280, 0.3269



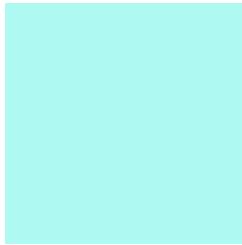
10.8220, 0.6299, 0.3244



1.0108, 0.6089, 0.3128

Previews

White Background



This preview shows how the Yxy color 83.8409, 0.2723, 0.3366 looks on a white background.

Color Contrast Check

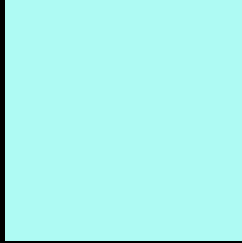
Large Text (above 18pt) WCAG AA × Fail

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 83.8409, 0.2723, 0.3366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

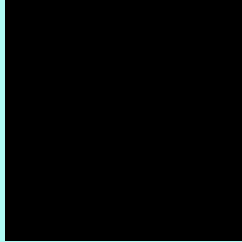
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.8409, 0.2723, 0.3366

Background



This preview shows how black text looks on a background with the Yxy color 83.8409, 0.2723, 0.3366.

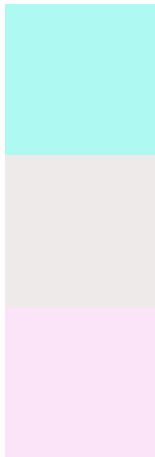


This preview shows how white text looks on a background with the Yxy color 83.8409, 0.2723, 0.3366.

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

83.8409, 0.2723, 0.3366

Protanopia

83.1369, 0.3161, 0.3290

Deuteranopia

82.9596, 0.3164, 0.3094



Tritanopia

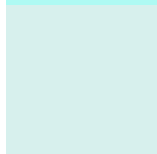
83.4208, 0.2813, 0.3152

Trichromacy



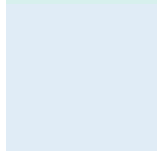
Original Color

83.8409, 0.2723, 0.3366



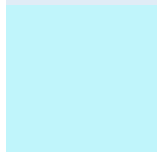
Protanomaly

82.8817, 0.2984, 0.3321



Deuteranomaly

82.4920, 0.2988, 0.3186



Tritanomaly

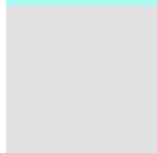
83.4763, 0.2774, 0.3225

Monochromacy



Original Color

83.8409, 0.2723, 0.3366



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.5083, 0.2962, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8409, 0.2723, 0.3366 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(174, 250, 243)` looks like.

```
.text, #text, p{  
    color:rgb(174, 250, 243)  
}
```

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(174, 250, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 250, 243) }
```

Border

The CSS property to change the border of an element to Yxy 83.8409, 0.2723, 0.3366 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(174, 250, 243) }
```

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

```
.border{ border-color:rgb(174, 250, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 250, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 250, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 250, 243);  
box-shadow:4px 4px 4px 4px rgb(174, 250,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8409, 0.2723, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 250, 243) }
```

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

```
.background{ background-color: rgb(174,  
250, 243) }
```

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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