

Converting Colors

Yxy(89.4308, 0.3035, 0.3450)

Have a look what the booklet for
Yxy(89.4308, 0.3035, 0.3450)
contains.

Yxy(89.6839, 0.3038, 0.3456)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.6839, 0.3038, 0.3456)

Conversions

Conversions Part 1

Format	Color
Hex	DDFAEA
RGB	221, 250, 234
RGB Percent	87%, 98%, 92%
CMY	0.1336, 0.0195, 0.0824
CMYK	0.12, 0.00, 0.06, 0.02
HSL	147°, 75%, 92%
HSV	147°, 12%, 98%
XYZ	78.8367, 89.6839, 90.9814
YIQ	239.5050, -12.1480, -11.1240

Conversions

Conversions Part 2

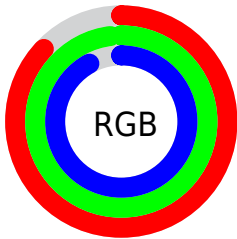
Format	Color
R_{YB}	221, 241, 250
Decimal	14547690
CIE _{Lab}	95.87, -12.39, 4.49
CIE _{LCh}	96, 13.183, 160.065
Yxy	89.6839, 0.3038, 0.3456
Android (android.graphics.Color)	4292737770 (0xFFDDFAEA)
YUV	239.5050, -2.7140, -16.2289
Hunter-Lab	94.7016, -17.1310, 9.3302

Details

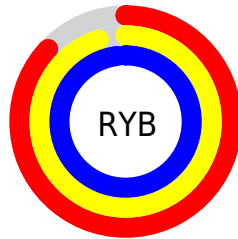
The Yxy color **89.6839, 0.3038, 0.3456** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.1169, 0.3227, 0.3130**, and the grayscale version is **86.7517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.4613, 0.3023, 0.3491** is the 20% darker color. If you saturate the color by 10%, you get **85.2907, 0.2964, 0.3617**, and if you desaturate by 10%, it is **94.7307, 0.3115, 0.3312**.

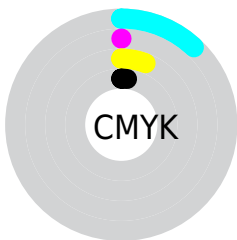
Distribution



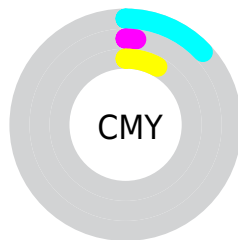
- Red (87%)
- Green (98%)
- Blue (92%)



- Red (87%)
- Yellow (95%)
- Blue (98%)



- Cyan (12%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)




- Cyan (13%)
- Magenta (2%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6839, 0.3038, 0.3456 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 89.6839, 0.3038, 0.3456 by changing the saturation by 10% instead.


 89.6839, 0.3038,
0.3456

 89.6839, 0.3038,
0.3456


527.0021, 0.3078,
0.3381

 67.7185, 0.3029,
0.3473

146.8992, 0.3052,
0.3430

 49.6688, 0.3018,
0.3493


182.9180, 0.3057,
0.3420

 35.1503, 0.3004,
0.3519


224.3899, 0.3062,
0.3412

 23.7787, 0.2987,
0.3552

271.6995, 0.3066,
0.3404

 15.1695, 0.2963,
0.3596

325.2311, 0.3070,
0.3397

 8.9384, 0.2930,
0.3658

385.3692, 0.3073,

 4.7010, 0.2880,

0.3391

0.3751

452.4980, 0.3076,
0.3386

■ 2.0729, 0.2797,
0.3908

■ 0.6493, 0.2319,
0.4786

■ 89.6839, 0.3038,
0.3456

■ 89.6839, 0.3038,
0.3456

■ 85.2907, 0.2964,
0.3617

■ 94.7307, 0.3115,
0.3312

■ 81.5127, 0.2894,
0.3795

■ 96.8673, 0.3129,
0.3243


■ 78.3243, 0.2832,
0.3989

■ 75.6942, 0.2782,
0.4196

 73.5878, 0.2746,
0.4412

 71.9663, 0.2728,
0.4631

 70.7857, 0.2729,
0.4846

 69.9929, 0.2751,
0.5051

 69.5606, 0.2780,
0.5209

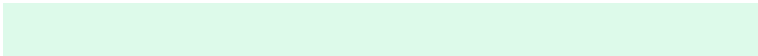
Harmonies

Analogous

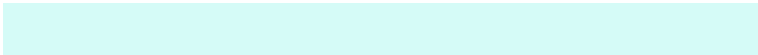
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6839, 0.3187, 0.3536



89.6839, 0.3038, 0.3456



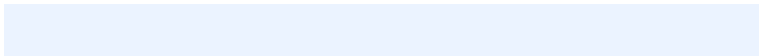
89.6839, 0.2915, 0.3329

Triad

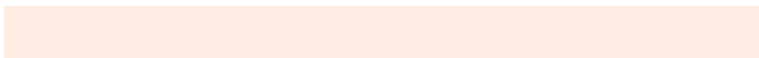
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.6839, 0.3038, 0.3456



89.6839, 0.2932, 0.3041



89.6839, 0.3414, 0.3375

Complementary

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



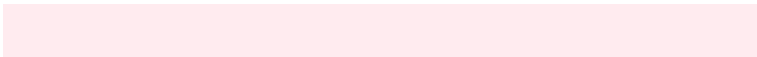
89.6839, 0.3038, 0.3456



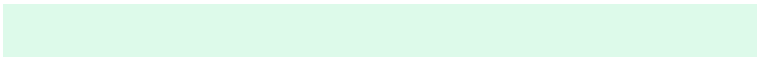
78.1169, 0.3227, 0.3130

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.



89.6839, 0.3342, 0.3247



89.6839, 0.3038, 0.3456



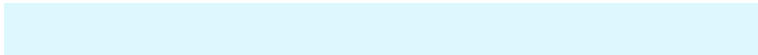
89.6839, 0.3062, 0.3058

Square

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



89.6839, 0.3038, 0.3456



89.6839, 0.2855, 0.3090



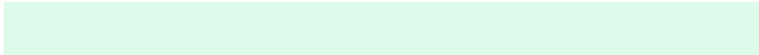
89.6839, 0.3213, 0.3132



89.6839, 0.3406, 0.3485

Rectangle

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



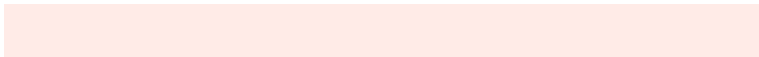
89.6839, 0.3038, 0.3456



89.6839, 0.2864, 0.3237



89.6839, 0.3213, 0.3132



89.6839, 0.3398, 0.3333

Sweetspot

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



89.6877, 0.3038, 0.3456



98.3091, 0.3104, 0.3331



91.6804, 0.3219, 0.3586



20.9478, 0.3098, 0.3342



0.0000, 0.0000, 0.0000



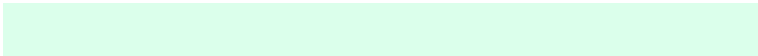
21.4041, 0.3127, 0.3290

Same Dimension

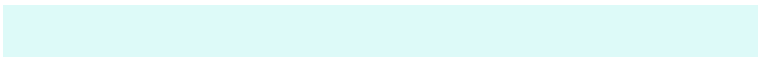
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6877, 0.3038, 0.3456



92.6429, 0.3020, 0.3493



90.5310, 0.2959, 0.3309



19.4387, 0.3054, 0.3424



36.9165, 0.2772, 0.5179



3.4401, 0.2708, 0.4948

Inverse Universe

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



78.1169, 0.3227, 0.3130



78.3109, 0.3250, 0.3096



77.3246, 0.3324, 0.3271



17.3854, 0.3207, 0.3160



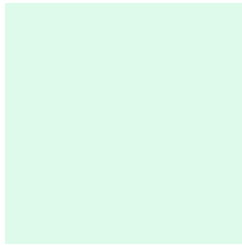
11.7811, 0.4745, 0.2387



1.1125, 0.4510, 0.2258

Previews

White Background



This preview shows how the Yxy color 89.6839, 0.3038, 0.3456 looks on a white background.

Color Contrast Check

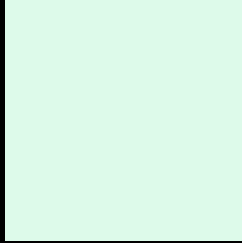
Large Text (above 18pt) WCAG AA × Fail

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 89.6839, 0.3038, 0.3456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

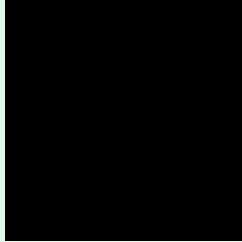
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

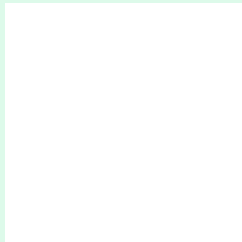
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6839, 0.3038, 0.3456

Background



This preview shows how black text looks on a background with the Yxy color 89.6839, 0.3038, 0.3456.

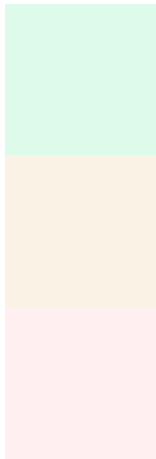


This preview shows how white text looks on a background with the Yxy color 89.6839, 0.3038, 0.3456.

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

89.6839, 0.3038, 0.3456

Protanopia

89.4854, 0.3260, 0.3419

Deuteranopia

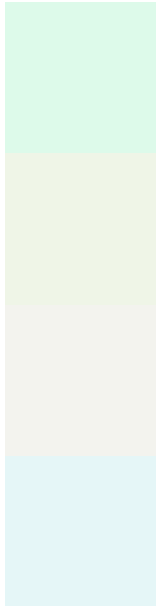
89.2843, 0.3227, 0.3281



Tritanopia

89.4138, 0.2999, 0.3180

Trichromacy



Original Color

89.6839, 0.3038, 0.3456

Protanomaly

89.4251, 0.3172, 0.3431

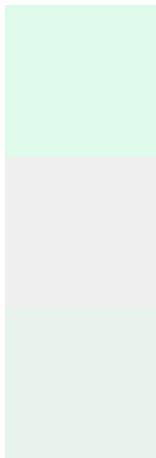
Deuteranomaly

89.3289, 0.3157, 0.3340

Tritanomaly

89.2849, 0.3014, 0.3280

Monochromacy



Original Color

89.6839, 0.3038, 0.3456

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

87.3714, 0.3092, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6839, 0.3038, 0.3456 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(221, 250, 234)` looks like.

```
.text, #text, p{  
    color:rgb(221, 250, 234)  
}
```

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(221, 250, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 250, 234) }
```

Border

The CSS property to change the border of an element to Yxy 89.6839, 0.3038, 0.3456 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(221, 250, 234) }
```

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

```
.border{ border-color:rgb(221, 250, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 250, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 250, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 250, 234);  
box-shadow:4px 4px 4px 4px rgb(221, 250,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6839, 0.3038, 0.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 250, 234) }
```

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

```
.background{ background-color: rgb(221,  
250, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor