

Converting Colors

$Yxy(89.1887, 0.2978, 0.3430)$

Have a look what the booklet for
Yxy(89.1887, 0.2978, 0.3430)
contains.

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Color

Yxy(89.4049, 0.2979, 0.3436)

Conversions

Conversions Part 1

Format	Color
Hex	D6FBED
RGB	214, 251, 237
RGB Percent	84%, 98%, 93%
CMY	0.1608, 0.0157, 0.0706
CMYK	0.15, 0.00, 0.06, 0.02
HSL	157°, 82%, 91%
HSV	157°, 15%, 98%
XYZ	77.5137, 89.4049, 93.2819
YIQ	238.3410, -17.5580, -12.1980

Conversions

Conversions Part 2

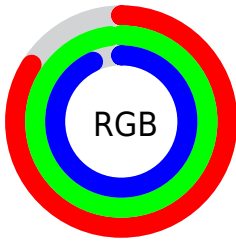
Format	Color
RYB	214, 237, 251
Decimal	14089197
CIELab	95.75, -14.54, 2.72
CIELCh	96, 14.787, 169.401
Yxy	89.4049, 0.2979, 0.3436
Android (android.graphics.Color)	4292279277 (0xFFD6FBED)
YUV	238.3410, -0.6611, -21.3471
Hunter-Lab	94.5542, -19.1388, 7.6957

Details

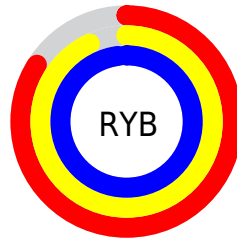
The Yxy color **89.4049, 0.2979, 0.3436** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.2084, 0.3303, 0.3149**, and the grayscale version is **85.7956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2907, 0.2948, 0.3465** is the 20% darker color. If you saturate the color by 10%, you get **85.3772, 0.2884, 0.3548**, and if you desaturate by 10%, it is **94.0515, 0.3079, 0.3334**.

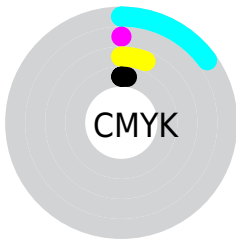
Distribution



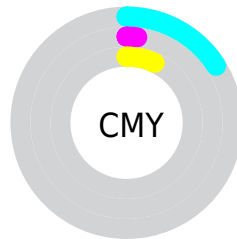
- Red (84%)
- Green (98%)
- Blue (93%)



- Red (84%)
- Yellow (93%)
- Blue (98%)



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)





- Cyan (16%)
- Magenta (2%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.4049, 0.2979, 0.3436 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 89.4049, 0.2979, 0.3436 by changing the saturation by 10% instead.


 89.4049, 0.2979,
0.3436

 89.4049, 0.2979,
0.3436

526.0931, 0.3045,
0.3370

 67.4872, 0.2964,
0.3451


146.5115, 0.3002,
0.3414

 49.4806, 0.2946,
0.3468


182.4692, 0.3011,
0.3405

 35.0009, 0.2924,
0.3491


223.8756, 0.3018,
0.3397

 23.6636, 0.2895,
0.3520

271.1152, 0.3025,
0.3390

 15.0842, 0.2857,
0.3558

324.5723, 0.3031,
0.3384

 8.8785, 0.2805,
0.3612

384.6315, 0.3036,

 4.6620, 0.2726,

0.3379

451.6769, 0.3041,
0.3375

0.3692

2.0504, 0.2597,
0.3827

0.6365, 0.1800,
0.4581

89.4049, 0.2979,
0.3436

89.4049, 0.2979,
0.3436

85.3772, 0.2884,
0.3548

94.0515, 0.3079,
0.3334

81.9301, 0.2797,
0.3671

97.4781, 0.3129,
0.3252

79.0383, 0.2720,
0.3803

76.6702, 0.2658,
0.3943

■ 74.7907, 0.2614,
0.4089

■ 73.3607, 0.2588,
0.4238

■ 72.3343, 0.2584,
0.4387

■ 71.6554, 0.2599,
0.4532

■ 71.3955, 0.2613,
0.4608

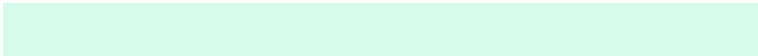
Harmonies

Analogous

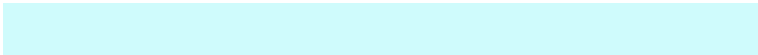
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4049, 0.3141, 0.3547



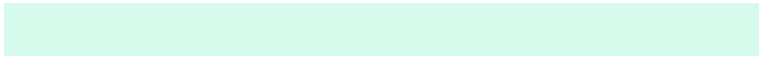
89.4049, 0.2979, 0.3436



89.4049, 0.2858, 0.3285

Triad

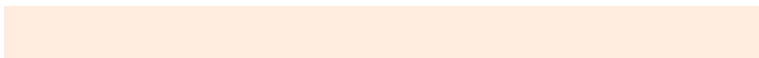
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.4049, 0.2979, 0.3436



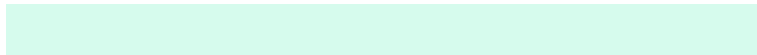
89.4049, 0.2949, 0.3010



89.4049, 0.3456, 0.3427

Complementary

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



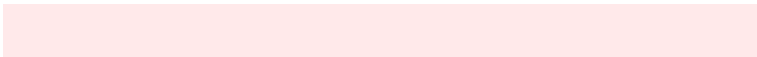
89.4049, 0.2979, 0.3436



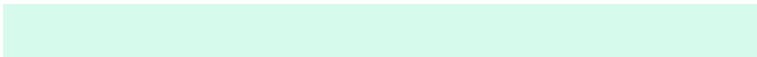
74.2084, 0.3303, 0.3149

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.



89.4049, 0.3403, 0.3286



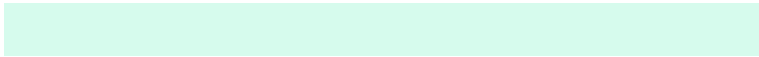
89.4049, 0.2979, 0.3436



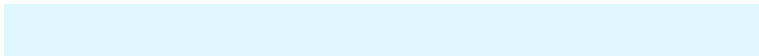
89.4049, 0.3106, 0.3050

Square

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



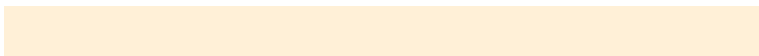
89.4049, 0.2979, 0.3436



89.4049, 0.2841, 0.3041



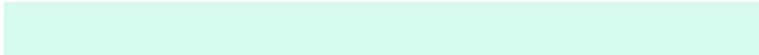
89.4049, 0.3273, 0.3150



89.4049, 0.3419, 0.3537

Rectangle

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



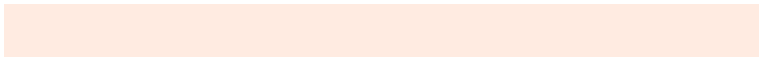
89.4049, 0.2979, 0.3436



89.4049, 0.2816, 0.3184



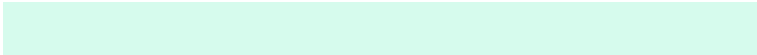
89.4049, 0.3273, 0.3150



89.4049, 0.3448, 0.3382

Sweetspot

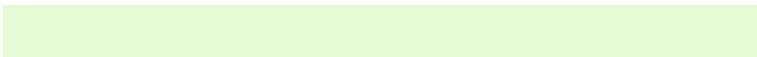
The Sweet Spot groups the original color and five complimentary colors.



89.4086, 0.2979, 0.3436



97.8701, 0.3086, 0.3327



90.3782, 0.3199, 0.3674



20.8650, 0.3079, 0.3335



0.0000, 0.0000, 0.0000



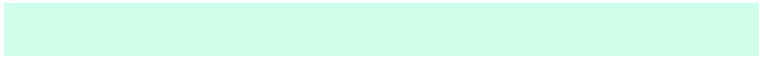
21.4041, 0.3127, 0.3290

Same Dimension

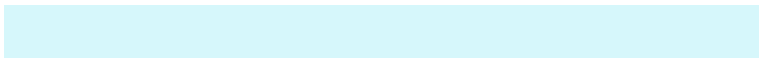
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4086, 0.2979, 0.3436



91.2401, 0.2947, 0.3472



87.5938, 0.2901, 0.3245



19.4906, 0.3031, 0.3381



37.5556, 0.2607, 0.4584



3.4989, 0.2559, 0.4411

Inverse Universe

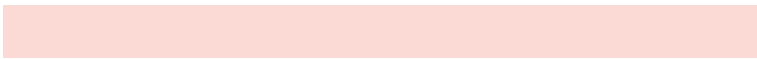
The Inverse Universe completely reimagines the original color for something new.



74.2084, 0.3303, 0.3149



72.4279, 0.3349, 0.3116



75.6752, 0.3397, 0.3335



17.3340, 0.3234, 0.3200



11.2417, 0.5467, 0.2786



1.0611, 0.5144, 0.2608

Previews

White Background



This preview shows how the Yxy color 89.4049, 0.2979, 0.3436 looks on a white background.

Color Contrast Check

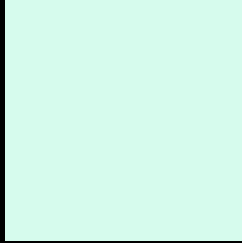
Large Text (above 18pt) WCAG AA × Fail

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 89.4049, 0.2979, 0.3436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

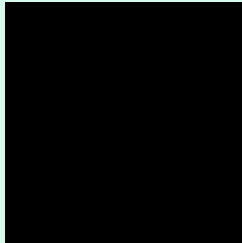
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

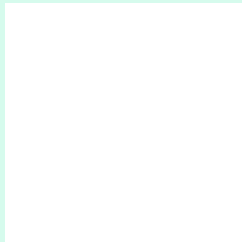
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.4049, 0.2979, 0.3436

Background



This preview shows how black text looks on a background with the Yxy color 89.4049, 0.2979, 0.3436.

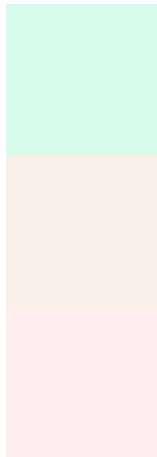


This preview shows how white text looks on a background with the Yxy color 89.4049, 0.2979, 0.3436.

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

89.4049, 0.2979, 0.3436

Protanopia

88.8765, 0.3236, 0.3380

Deuteranopia

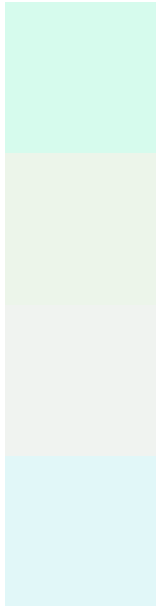
88.7599, 0.3222, 0.3261



Tritanopia

89.5137, 0.2981, 0.3190

Trichromacy



Original Color

89.4049, 0.2979, 0.3436

Protanomaly

89.0782, 0.3135, 0.3401

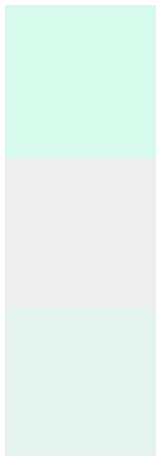
Deuteranomaly

88.9177, 0.3126, 0.3320

Tritanomaly

89.3064, 0.2984, 0.3279

Monochromacy



Original Color

89.4049, 0.2979, 0.3436

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.9322, 0.3067, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.4049, 0.2979, 0.3436 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(214, 251, 237)` looks like.

```
.text, #text, p{  
    color:rgb(214, 251, 237)  
}
```

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(214, 251, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 251, 237) }
```

Border

The CSS property to change the border of an element to Yxy 89.4049, 0.2979, 0.3436 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(214, 251, 237) }
```

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

```
.border{ border-color:rgb(214, 251, 237) }
```

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

Here you see how a box with a 4 pixel rgb(214, 251, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 251, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 251, 237);  
box-shadow:4px 4px 4px 4px rgb(214, 251,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 89.4049, 0.2979, 0.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 251, 237) }
```

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

```
.background{ background-color: rgb(214,  
251, 237) }
```

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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