

Converting Colors

$Yxy(89.9211, 0.3059, 0.3440)$

Have a look what the booklet for
Yxy(89.9211, 0.3059, 0.3440)
contains.

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Color

Yxy(89.7571, 0.3058, 0.3434)

Conversions

Conversions Part 1

Format	Color
Hex	E1F9EB
RGB	225, 249, 235
RGB Percent	88%, 98%, 92%
CMY	0.1175, 0.0235, 0.0785
CMYK	0.10, 0.00, 0.06, 0.02
HSL	145°, 67%, 93%
HSV	145°, 10%, 98%
XYZ	79.9293, 89.7571, 91.6913
YIQ	240.2280, -9.8100, -9.4420

Conversions

Conversions Part 2

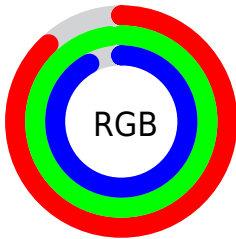
Format	Color
R _Y B	225, 242, 249
Decimal	14809579
CIE Lab	95.90, -10.36, 4.06
CIE LCh	96, 11.130, 158.615
Yxy	89.7571, 0.3058, 0.3434
Android (android.graphics.Color)	4292999659 (0xFFE1F9EB)
YUV	240.2280, -2.5774, -13.3550
Hunter-Lab	94.7402, -15.2006, 8.9362

Details

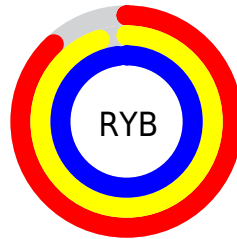
The Yxy color **89.7571, 0.3058, 0.3434** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.2487, 0.3203, 0.3150**, and the grayscale version is **87.3582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9406, 0.3047, 0.3475** is the 20% darker color. If you saturate the color by 10%, you get **85.2375, 0.2988, 0.3602**, and if you desaturate by 10%, it is **94.9370, 0.3130, 0.3285**.

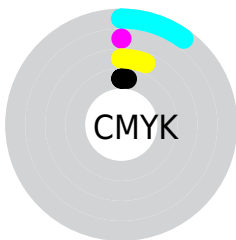
Distribution



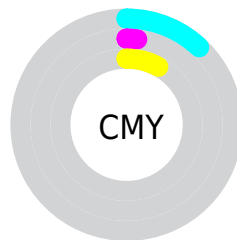
- Red (88%)
- Green (98%)
- Blue (92%)



- Red (88%)
- Yellow (95%)
- Blue (98%)



- Cyan (10%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)





- Cyan (12%)
- Magenta (2%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.7571, 0.3058, 0.3434 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 89.7571, 0.3058, 0.3434 by changing the saturation by 10% instead.


 89.7571, 0.3058,
0.3434

 89.7571, 0.3058,
0.3434


527.2404, 0.3089,
0.3369

 67.7792, 0.3051,
0.3448


147.0009, 0.3069,
0.3412

 49.7181, 0.3043,
0.3466


183.0357, 0.3073,
0.3403

 35.1895, 0.3032,
0.3488


224.5248, 0.3077,
0.3396

 23.8089, 0.3018,
0.3517

271.8528, 0.3080,
0.3389

 15.1919, 0.3000,
0.3555

325.4039, 0.3083,
0.3383

 8.9542, 0.2974,
0.3608

385.5626, 0.3085,

 4.7113, 0.2936,

0.3378

0.3688

452.7133, 0.3087,
0.3373

■ 2.0789, 0.2872,
0.3822

■ 0.6527, 0.2539,
0.4511

■ 89.7571, 0.3058,
0.3434

■ 89.7571, 0.3058,
0.3434

■ 85.2375, 0.2988,
0.3602

■ 94.9370, 0.3130,
0.3285

■ 81.3398, 0.2921,
0.3788

■ 96.2295, 0.3130,
0.3233

■ 78.0393, 0.2861,
0.3991

■ 75.3049, 0.2811,
0.4209

■ 73.1027, 0.2775,
0.4437

■ 71.3951, 0.2755,
0.4669

■ 70.1393, 0.2755,
0.4897

■ 69.2845, 0.2774,
0.5112

■ 68.7515, 0.2808,
0.5308

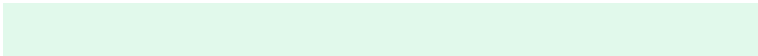
Harmonies

Analogous

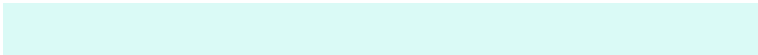
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7571, 0.3184, 0.3499



89.7571, 0.3058, 0.3434



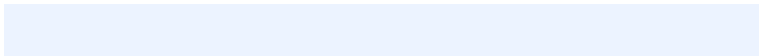
89.7571, 0.2952, 0.3329

Triad

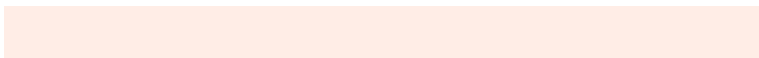
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.7571, 0.3058, 0.3434



89.7571, 0.2958, 0.3080



89.7571, 0.3367, 0.3358

Complementary

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



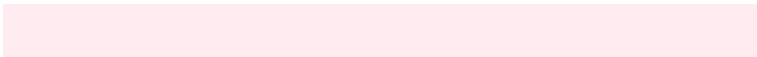
89.7571, 0.3058, 0.3434



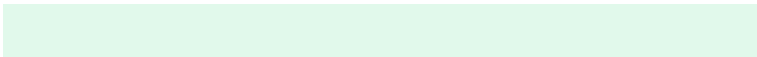
80.2487, 0.3203, 0.3150

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.



89.7571, 0.3304, 0.3249



89.7571, 0.3058, 0.3434



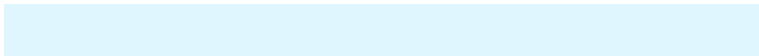
89.7571, 0.3067, 0.3091

Square

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



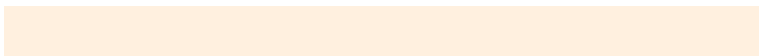
89.7571, 0.3058, 0.3434



89.7571, 0.2895, 0.3124



89.7571, 0.3194, 0.3153



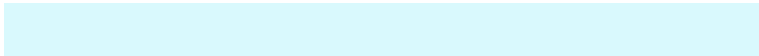
89.7571, 0.3364, 0.3452

Rectangle

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



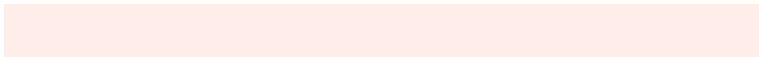
89.7571, 0.3058, 0.3434



89.7571, 0.2906, 0.3252



89.7571, 0.3194, 0.3153



89.7571, 0.3353, 0.3322

Sweetspot

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



89.7609, 0.3058, 0.3434



98.2928, 0.3106, 0.3333



91.6113, 0.3208, 0.3532



20.9434, 0.3100, 0.3345



0.0000, 0.0000, 0.0000



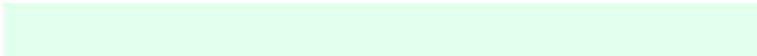
21.4041, 0.3127, 0.3290

Same Dimension

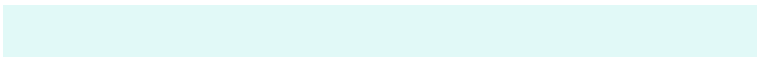
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7609, 0.3058, 0.3434



93.5510, 0.3041, 0.3473



90.4549, 0.2992, 0.3314



19.4286, 0.3059, 0.3432



36.8201, 0.2801, 0.5285



3.4307, 0.2736, 0.5049

Inverse Universe

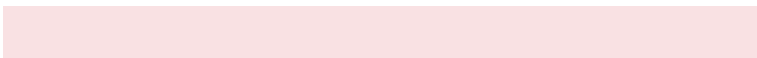
The Inverse Universe completely reimagines the original color for something new.



80.2487, 0.3203, 0.3150



81.2160, 0.3224, 0.3114



79.5834, 0.3280, 0.3266



17.3957, 0.3202, 0.3152



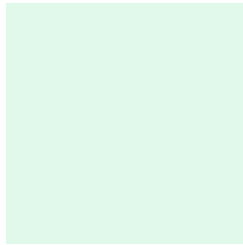
11.9158, 0.4604, 0.2310



1.1247, 0.4391, 0.2192

Previews

White Background



This preview shows how the Yxy color 89.7571, 0.3058, 0.3434 looks on a white background.

Color Contrast Check

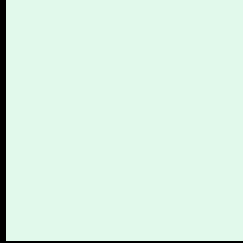
Large Text (above 18pt) WCAG AA × Fail

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 89.7571, 0.3058, 0.3434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

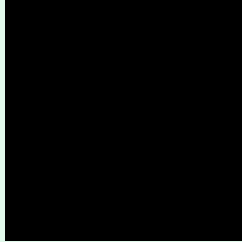
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

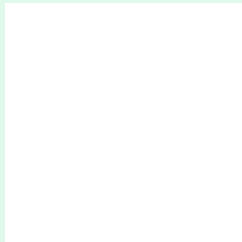
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.7571, 0.3058, 0.3434

Background



This preview shows how black text looks on a background with the Yxy color 89.7571, 0.3058, 0.3434.

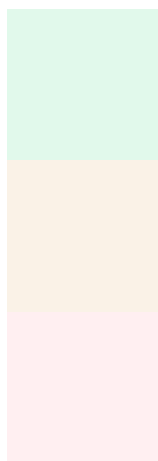


This preview shows how white text looks on a background with the Yxy color 89.7571, 0.3058, 0.3434.

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

89.7571, 0.3058, 0.3434

Protanopia

89.5978, 0.3248, 0.3399

Deuteranopia

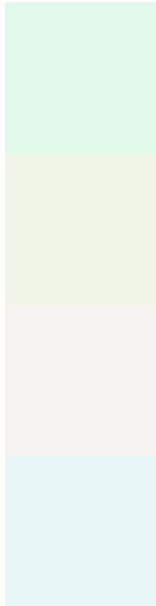
89.3439, 0.3221, 0.3271



Tritanopia

89.7542, 0.3012, 0.3181

Trichromacy



Original Color

89.7571, 0.3058, 0.3434

Protanomaly

89.8318, 0.3179, 0.3421

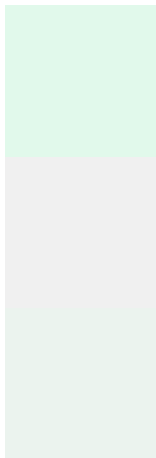
Deuteranomaly

89.5663, 0.3158, 0.3330

Tritanomaly

89.8447, 0.3027, 0.3270

Monochromacy



Original Color

89.7571, 0.3058, 0.3434

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.9364, 0.3105, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.7571, 0.3058, 0.3434 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(225, 249, 235)` looks like.

```
.text, #text, p{  
    color:rgb(225, 249, 235)  
}
```

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(225, 249, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 249, 235) }
```

Border

The CSS property to change the border of an element to Yxy 89.7571, 0.3058, 0.3434 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(225, 249, 235) }
```

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

```
.border{ border-color:rgb(225, 249, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 249, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 249, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 249, 235);  
box-shadow:4px 4px 4px 4px rgb(225, 249,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 89.7571, 0.3058, 0.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 249, 235) }
```

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

```
.background{ background-color: rgb(225,  
249, 235) }
```

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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