

Converting Colors

$Yxy(90.6793, 0.2967, 0.3429)$

Have a look what the booklet for
Yxy(90.6793, 0.2967, 0.3429)
contains.

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Color

Yxy(90.7787, 0.2968, 0.3435)

Conversions

Conversions Part 1

Format	Color
Hex	D6FDEF
RGB	214, 253, 239
RGB Percent	84%, 99%, 94%
CMY	0.1608, 0.0078, 0.0627
CMYK	0.15, 0.00, 0.06, 0.01
HSL	158°, 91%, 92%
HSV	158°, 15%, 99%
XYZ	78.4370, 90.7787, 95.0600
YIQ	239.7430, -18.7500, -12.6220

Conversions

Conversions Part 2

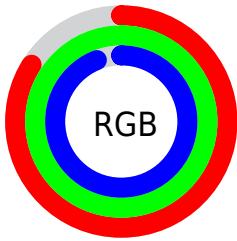
Format	Color
R _Y B	214, 238, 253
Decimal	14089711
CIE Lab	96.32, -15.14, 2.50
CIE LCh	96, 15.348, 170.616
Yxy	90.7787, 0.2968, 0.3435
Android (android.graphics.Color)	4292279791 (0xFFD6FDEF)
YUV	239.7430, -0.3663, -22.5766
Hunter-Lab	95.2779, -19.7870, 7.5401

Details

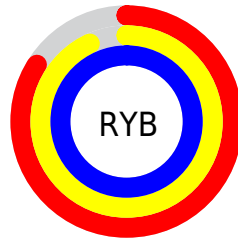
The Yxy color **90.7787, 0.2968, 0.3435** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.5752, 0.3318, 0.3150**, and the grayscale version is **86.9423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.2697, 0.2935, 0.3464** is the 20% darker color. If you saturate the color by 10%, you get **86.7439, 0.2871, 0.3542**, and if you desaturate by 10%, it is **95.4393, 0.3070, 0.3338**.

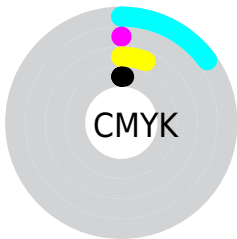
Distribution



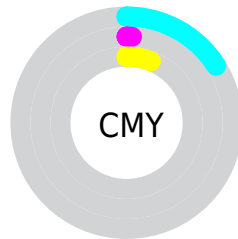
- Red (84%)
- Green (99%)
- Blue (94%)



- Red (84%)
- Yellow (93%)
- Blue (99%)



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)



- Cyan (16%)
- Magenta (1%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.7787, 0.2968, 0.3435 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 90.7787, 0.2968, 0.3435 by changing the saturation by 10% instead.

 90.7787, 0.2968,
0.3435

 90.7787, 0.2968,
0.3435


530.5607, 0.3039,
0.3370

 68.6267, 0.2952,
0.3449


148.4196, 0.2992,
0.3413

 50.4077, 0.2933,
0.3467


184.6772, 0.3002,
0.3404

 35.7375, 0.2909,
0.3489


226.4055, 0.3010,
0.3396

 24.2315, 0.2879,
0.3517

273.9889, 0.3017,
0.3390

 15.5054, 0.2839,
0.3555

327.8116, 0.3024,
0.3384

 9.1749, 0.2783,
0.3607

388.2583, 0.3029,

 4.8554, 0.2701,

0.3379

0.3685

455.7132, 0.3034,
0.3374

■ 2.1627, 0.2567,
0.3814

■ 0.6995, 0.1867,
0.4423

■ 90.7787, 0.2968,
0.3435

■ 90.7787, 0.2968,
0.3435

■ 86.7439, 0.2871,
0.3542

■ 95.4393, 0.3070,
0.3338

■ 83.2958, 0.2782,
0.3658

■ 98.7341, 0.3128,
0.3271

■ 80.4085, 0.2705,
0.3783

■ 78.0497, 0.2642,
0.3916

■ 76.1834, 0.2597,
0.4053

■ 74.7693, 0.2571,
0.4194

■ 73.7603, 0.2566,
0.4334

■ 73.0983, 0.2581,
0.4472

■ 72.8724, 0.2593,
0.4534

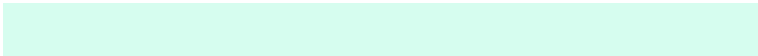
Harmonies

Analogous

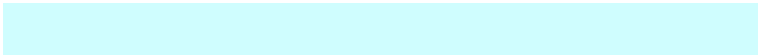
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7787, 0.3134, 0.3552



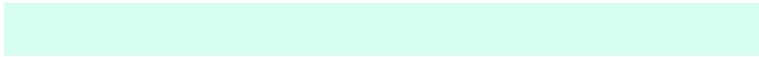
90.7787, 0.2968, 0.3435



90.7787, 0.2846, 0.3278

Triad

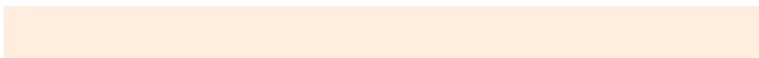
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.7787, 0.2968, 0.3435



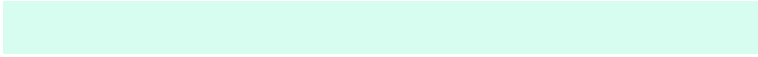
90.7787, 0.2949, 0.3001



90.7787, 0.3468, 0.3437

Complementary

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



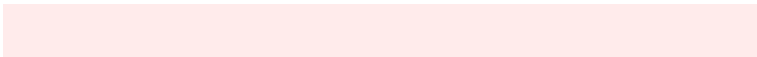
90.7787, 0.2968, 0.3435



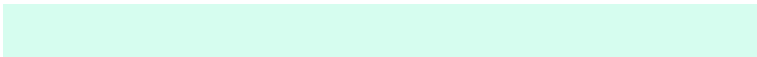
74.5752, 0.3318, 0.3150

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.



90.7787, 0.3416, 0.3292



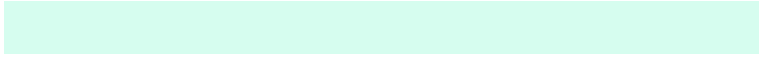
90.7787, 0.2968, 0.3435



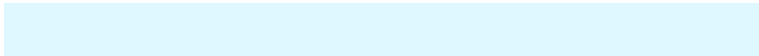
90.7787, 0.3113, 0.3045

Square

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



90.7787, 0.2968, 0.3435



90.7787, 0.2835, 0.3030



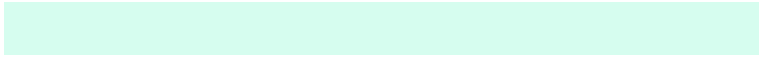
90.7787, 0.3284, 0.3151



90.7787, 0.3425, 0.3548

Rectangle

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



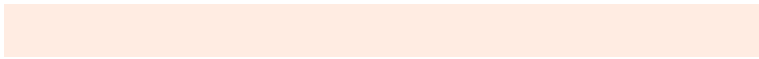
90.7787, 0.2968, 0.3435



90.7787, 0.2805, 0.3175



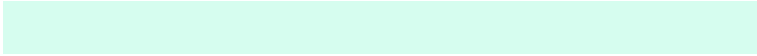
90.7787, 0.3284, 0.3151



90.7787, 0.3461, 0.3390

Sweetspot

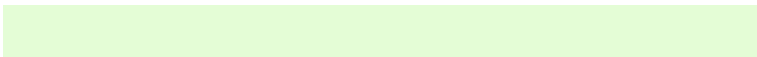
The Sweet Spot groups the original color and five complimentary colors.



90.7825, 0.2968, 0.3435



97.3705, 0.3075, 0.3334



91.6519, 0.3198, 0.3694



20.7650, 0.3067, 0.3341



0.0000, 0.0000, 0.0000



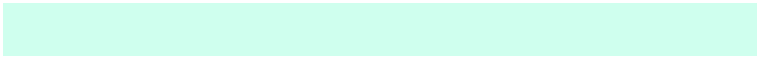
21.4041, 0.3127, 0.3290

Same Dimension

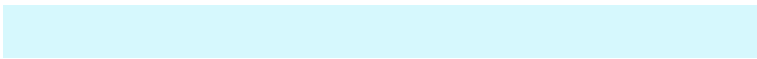
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7825, 0.2968, 0.3435



90.8717, 0.2932, 0.3472



88.4022, 0.2890, 0.3236



20.3644, 0.3028, 0.3377



38.7924, 0.2587, 0.4512



3.7980, 0.2543, 0.4356

Inverse Universe

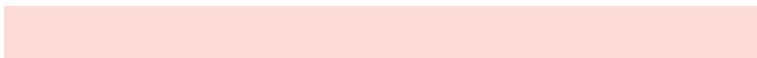
The Inverse Universe completely reimagines the original color for something new.



74.5752, 0.3318, 0.3150



71.0457, 0.3371, 0.3115



76.5043, 0.3410, 0.3344



18.0947, 0.3238, 0.3205



11.5334, 0.5550, 0.2831



1.1429, 0.5236, 0.2658

Previews

White Background



This preview shows how the Yxy color 90.7787, 0.2968, 0.3435 looks on a white background.

Color Contrast Check

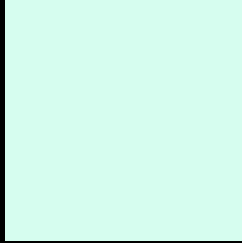
Large Text (above 18pt) WCAG AA × Fail

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 90.7787, 0.2968, 0.3435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

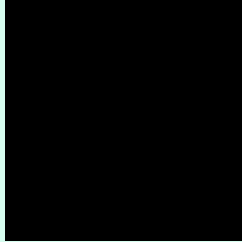
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

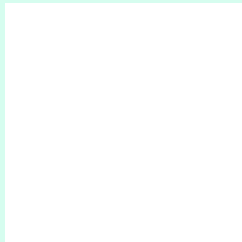
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.7787, 0.2968, 0.3435

Background



This preview shows how black text looks on a background with the Yxy color 90.7787, 0.2968, 0.3435.

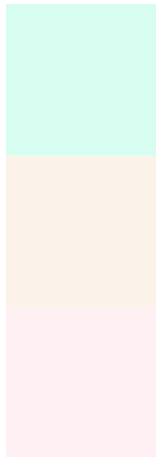


This preview shows how white text looks on a background with the Yxy color 90.7787, 0.2968, 0.3435.

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

90.7787, 0.2968, 0.3435

Protanopia

90.4936, 0.3241, 0.3389

Deuteranopia

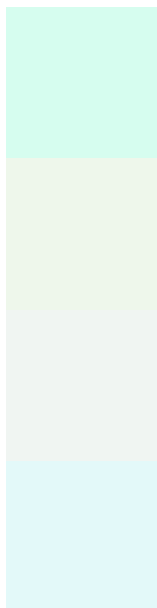
90.0512, 0.3208, 0.3261



Tritanopia

90.6240, 0.2999, 0.3200

Trichromacy



Original Color

90.7787, 0.2968, 0.3435

Protanomaly

90.6968, 0.3141, 0.3411

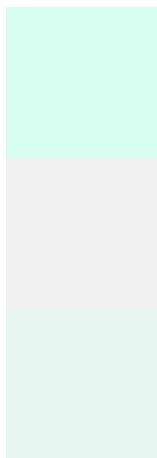
Deuteranomaly

90.2409, 0.3113, 0.3320

Tritanomaly

90.9218, 0.2990, 0.3290

Monochromacy



Original Color

90.7787, 0.2968, 0.3435

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

88.5850, 0.3067, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.7787, 0.2968, 0.3435 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, 253, 239)` looks like.

```
.text, #text, p{  
    color:rgb(214, 253, 239)  
}
```

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, 253, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 253, 239) }
```

Border

The CSS property to change the border of an element to Yxy 90.7787, 0.2968, 0.3435 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, 253, 239) }
```

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

```
.border{ border-color:rgb(214, 253, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 253, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 253, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 253, 239);  
box-shadow:4px 4px 4px 4px rgb(214, 253,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 90.7787, 0.2968, 0.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 253, 239) }
```

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

```
.background{ background-color: rgb(214,  
253, 239) }
```

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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