

Converting Colors

$Yxy(89.8927, 0.2953, 0.3464)$

Have a look what the booklet for
Yxy(89.8927, 0.2953, 0.3464)
contains.

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Color

Yxy(89.8620, 0.2955, 0.3468)

Conversions

Conversions Part 1

Format	Color
Hex	D1FDEC
RGB	209, 253, 236
RGB Percent	82%, 99%, 93%
CMY	0.1803, 0.0079, 0.0744
CMYK	0.17, 0.00, 0.07, 0.01
HSL	157°, 92%, 91%
HSV	157°, 17%, 99%
XYZ	76.5693, 89.8620, 92.6864
YIQ	237.9060, -20.7670, -14.6150

Conversions

Conversions Part 2

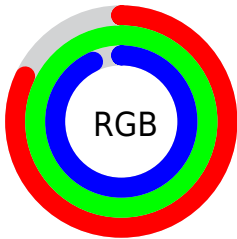
Format	Color
R _Y B	209, 236, 253
Decimal	13762028
CIE Lab	95.94, -17.26, 3.45
CIE LCh	96, 17.602, 168.687
Yxy	89.8620, 0.2955, 0.3468
Android (android.graphics.Color)	4291952108 (0xFFD1FDEC)
YUV	237.9060, -0.9397, -25.3506
Hunter-Lab	94.7956, -21.7124, 8.3861

Details

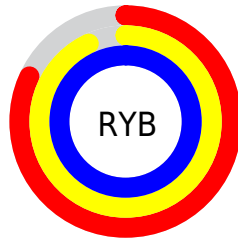
The Yxy color **89.8620, 0.2955, 0.3468** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.9891, 0.3338, 0.3119**, and the grayscale version is **85.4506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6452, 0.2918, 0.3508** is the 20% darker color. If you saturate the color by 10%, you get **85.9108, 0.2863, 0.3585**, and if you desaturate by 10%, it is **94.4377, 0.3053, 0.3362**.

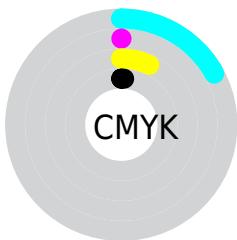
Distribution



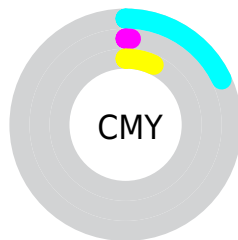
- Red (82%)
- Green (99%)
- Blue (93%)



- Red (82%)
- Yellow (93%)
- Blue (99%)



- Cyan (17%)
- Magenta (0%)
- Yellow (7%)
- Black (1%)





- Cyan (18%)
- Magenta (1%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.8620, 0.2955, 0.3468 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 89.8620, 0.2955, 0.3468 by changing the saturation by 10% instead.


 89.8620, 0.2955,
0.3468

 89.8620, 0.2955,
0.3468

527.5818, 0.3032,
0.3388

 67.8662, 0.2938,
0.3486

147.1467, 0.2981,
0.3441

 49.7889, 0.2917,
0.3508


183.2044, 0.2992,
0.3430

 35.2457, 0.2891,
0.3535


224.7181, 0.3001,
0.3420

 23.8522, 0.2858,
0.3570

272.0723, 0.3009,
0.3412

 15.2240, 0.2814,
0.3617

325.6514, 0.3015,
0.3405

 8.9768, 0.2752,
0.3683

385.8398, 0.3022,

 4.7260, 0.2661,

0.3399

0.3783

453.0218, 0.3027,
0.3393

■ 2.0874, 0.2511,
0.3949

■ 0.6575, 0.1525,
0.4923

■ 89.8620, 0.2955,
0.3468

■ 89.8620, 0.2955,
0.3468

■ 85.9108, 0.2863,
0.3585

■ 94.4377, 0.3053,
0.3362

■ 82.5449, 0.2779,
0.3713

■ 98.7281, 0.3128,
0.3271

■ 79.7375, 0.2707,
0.3850

■ 77.4557, 0.2649,
0.3995

■ 75.6627, 0.2610,
0.4145

■ 74.3169, 0.2591,
0.4297

■ 73.3693, 0.2592,
0.4449

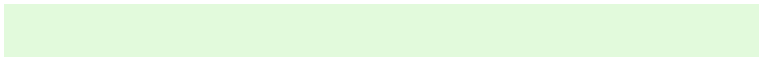
■ 72.7566, 0.2613,
0.4596

■ 72.6266, 0.2621,
0.4634

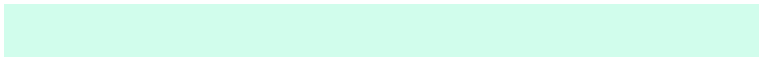
Harmonies

Analogous

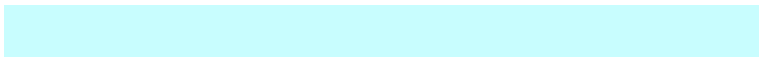
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8620, 0.3148, 0.3599



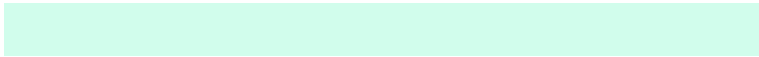
89.8620, 0.2955, 0.3468



89.8620, 0.2811, 0.3287

Triad

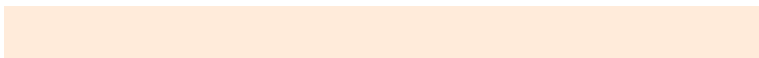
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.8620, 0.2955, 0.3468



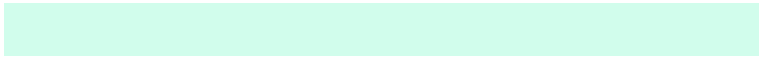
89.8620, 0.2912, 0.2958



89.8620, 0.3519, 0.3447

Complementary

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



89.8620, 0.2955, 0.3468



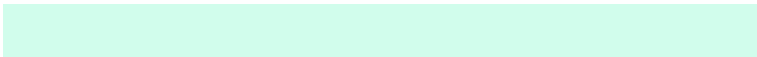
71.9891, 0.3338, 0.3119

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.



89.8620, 0.3452, 0.3280



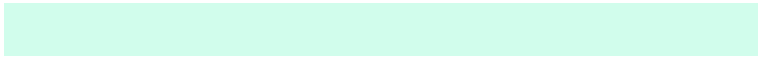
89.8620, 0.2955, 0.3468



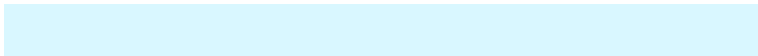
89.8620, 0.3097, 0.3005

Square

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



89.8620, 0.2955, 0.3468



89.8620, 0.2787, 0.2996



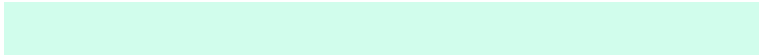
89.8620, 0.3296, 0.3121



89.8620, 0.3477, 0.3580

Rectangle

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



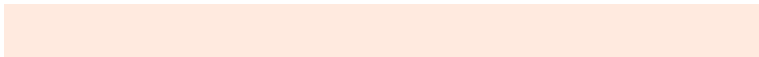
89.8620, 0.2955, 0.3468



89.8620, 0.2760, 0.3167



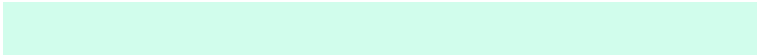
89.8620, 0.3296, 0.3121



89.8620, 0.3509, 0.3393

Sweetspot

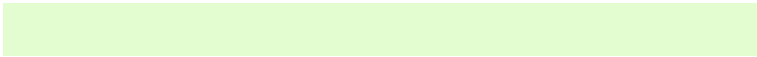
The Sweet Spot groups the original color and five complimentary colors.



89.8658, 0.2955, 0.3468



97.3486, 0.3077, 0.3338



91.1218, 0.3216, 0.3748



20.7597, 0.3070, 0.3345



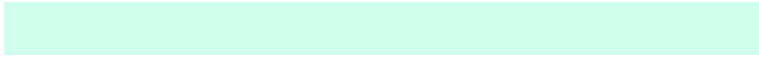
0.0000, 0.0000, 0.0000



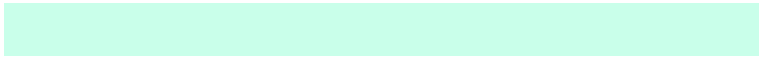
21.4041, 0.3127, 0.3290

Same Dimension

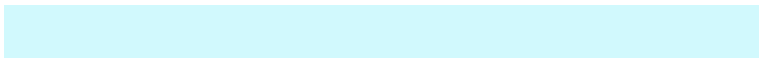
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.8658, 0.2955, 0.3468



89.9596, 0.2921, 0.3509



88.1556, 0.2862, 0.3244



20.3557, 0.3032, 0.3383



38.6654, 0.2614, 0.4611



3.7861, 0.2568, 0.4443

Inverse Universe

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



71.9891, 0.3338, 0.3119



68.5236, 0.3392, 0.3081



73.2908, 0.3456, 0.3336



18.1031, 0.3233, 0.3199



11.6007, 0.5441, 0.2771



1.1501, 0.5135, 0.2602

Previews

White Background



This preview shows how the Yxy color 89.8620, 0.2955, 0.3468 looks on a white background.

Color Contrast Check

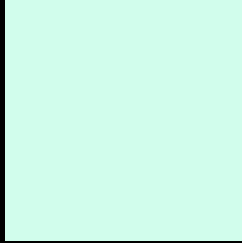
Large Text (above 18pt) WCAG AA × Fail

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 89.8620, 0.2955, 0.3468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

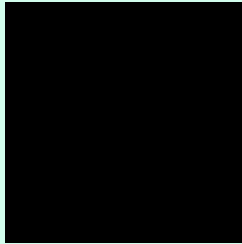
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

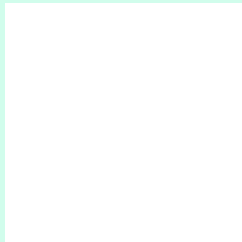
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.8620, 0.2955, 0.3468

Background



This preview shows how black text looks on a background with the Yxy color 89.8620, 0.2955, 0.3468.

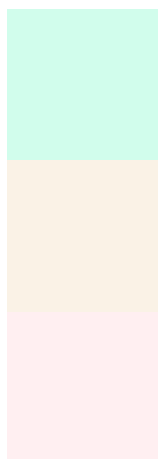


This preview shows how white text looks on a background with the Yxy color 89.8620, 0.2955, 0.3468.

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

89.8620, 0.2955, 0.3468

Protanopia

89.5414, 0.3254, 0.3409

Deuteranopia

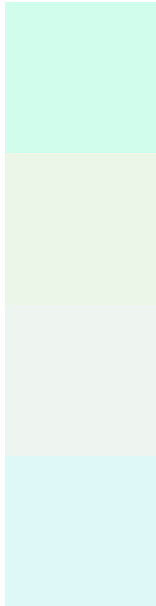
89.3439, 0.3221, 0.3271



Tritanopia

89.3478, 0.2975, 0.3189

Trichromacy



Original Color

89.8620, 0.2955, 0.3468

Protanomaly

89.3999, 0.3140, 0.3432

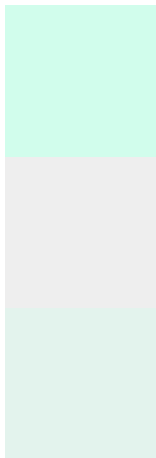
Deuteranomaly

89.1105, 0.3118, 0.3340

Tritanomaly

89.4417, 0.2966, 0.3290

Monochromacy



Original Color

89.8620, 0.2955, 0.3468

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.5465, 0.3060, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8620, 0.2955, 0.3468 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(209, 253, 236)` looks like.

```
.text, #text, p{  
    color:rgb(209, 253, 236)  
}
```

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(209, 253, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 253, 236) }
```

Border

The CSS property to change the border of an element to Yxy 89.8620, 0.2955, 0.3468 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(209, 253, 236) }
```

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

```
.border{ border-color:rgb(209, 253, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 253, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 253, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 253, 236);  
box-shadow:4px 4px 4px 4px rgb(209, 253,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8620, 0.2955, 0.3468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 253, 236) }
```

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

```
.background{ background-color: rgb(209,  
253, 236) }
```

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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