

Converting Colors

$Yxy(89.5079, 0.2923, 0.3435)$

Have a look what the booklet for
Yxy(89.5079, 0.2923, 0.3435)
contains.

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Color

Yxy(89.6044, 0.2921, 0.3437)

Conversions

Conversions Part 1

Format	Color
Hex	CEFDEF
RGB	206, 253, 239
RGB Percent	81%, 99%, 94%
CMY	0.1923, 0.0078, 0.0627
CMYK	0.19, 0.00, 0.06, 0.01
HSL	162°, 92%, 90%
HSV	162°, 19%, 99%
XYZ	76.1520, 89.6044, 94.9489
YIQ	237.3510, -23.5180, -14.3180

Conversions

Conversions Part 2

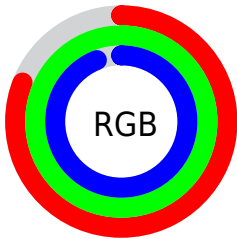
Format	Color
R _{YB}	206, 234, 253
Decimal	13565423
CIE _{Lab}	95.83, -17.64, 1.74
CIE _{LCh}	96, 17.730, 174.373
Y _{xy}	89.6044, 0.2921, 0.3437
Android (android.graphics.Color)	4291755503 (0xFFCEDEF)
Y _{UV}	237.3510, 0.8130, -27.4948
Hunter-Lab	94.6596, -22.0541, 6.7905

Details

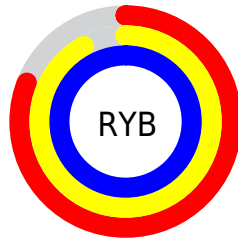
The Yxy color **89.6044, 0.2921, 0.3437** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.1763, 0.3386, 0.3148**, and the grayscale version is **84.9776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.4781, 0.2876, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **85.8385, 0.2819, 0.3527**, and if you desaturate by 10%, it is **93.9791, 0.3030, 0.3355**.

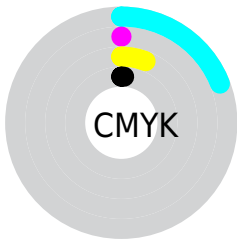
Distribution



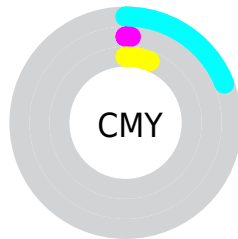
- Red (81%)
- Green (99%)
- Blue (94%)



- Red (81%)
- Yellow (92%)
- Blue (99%)



- Cyan (19%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)




- Cyan (19%)
- Magenta (1%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6044, 0.2921, 0.3437 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 89.6044, 0.2921, 0.3437 by changing the saturation by 10% instead.


 89.6044, 0.2921,
0.3437

 89.6044, 0.2921,
0.3437

526.7431, 0.3013,
0.3371

 67.6526, 0.2901,
0.3452

146.7888, 0.2952,
0.3414

 49.6151, 0.2876,
0.3469


182.7901, 0.2965,
0.3406

 35.1077, 0.2845,
0.3492


224.2434, 0.2975,
0.3398

 23.7459, 0.2806,
0.3520

271.5331, 0.2985,
0.3391

 15.1452, 0.2754,
0.3558

325.0435, 0.2993,
0.3385

 8.9214, 0.2682,
0.3611

385.1590, 0.3001,

 4.6899, 0.2575,

0.3380

0.3690

452.2641, 0.3007,
0.3375

■ 2.0665, 0.2403,
0.3820

■ 0.6457, 0.1297,
0.4579

■ 89.6044, 0.2921,
0.3437

■ 89.6044, 0.2921,
0.3437

■ 85.8385, 0.2819,
0.3527

■ 93.9791, 0.3030,
0.3355


■ 82.6422, 0.2727,
0.3625


■ 98.6791, 0.3133,
0.3280


■ 79.9889, 0.2648,
0.3729


■ 98.7388, 0.3128,
0.3271


■ 77.8453, 0.2585,
0.3839

 76.1746, 0.2541,
0.3952

 74.9346, 0.2517,
0.4067

 74.0756, 0.2513,
0.4181

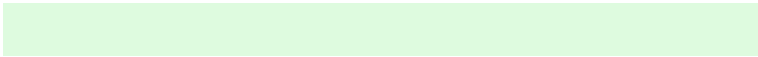
 73.5268, 0.2528,
0.4294

 73.4613, 0.2530,
0.4309

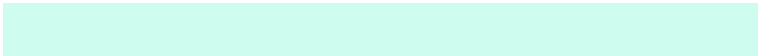
Harmonies

Analogous

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



89.6044, 0.3109, 0.3583



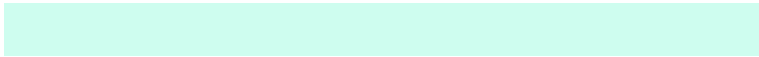
89.6044, 0.2921, 0.3437



89.6044, 0.2790, 0.3251

Triad

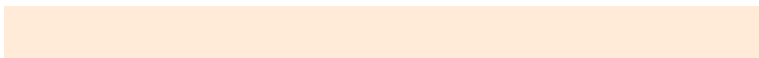
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.6044, 0.2921, 0.3437



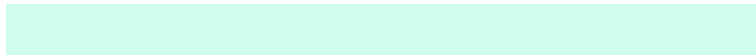
89.6044, 0.2942, 0.2958



89.6044, 0.3523, 0.3478

Complementary

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



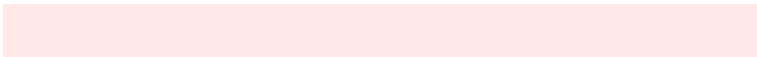
89.6044, 0.2921, 0.3437



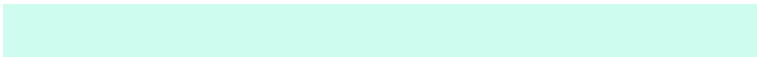
70.1763, 0.3386, 0.3148

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.



89.6044, 0.3476, 0.3313



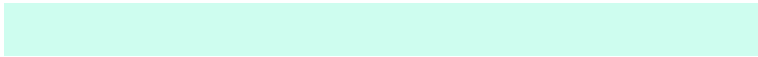
89.6044, 0.2921, 0.3437



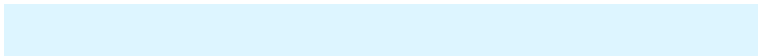
89.6044, 0.3135, 0.3020

Square

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



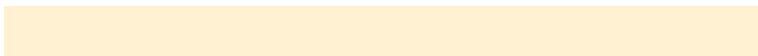
89.6044, 0.2921, 0.3437



89.6044, 0.2801, 0.2980



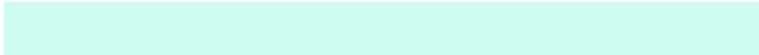
89.6044, 0.3332, 0.3147



89.6044, 0.3460, 0.3601

Rectangle

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



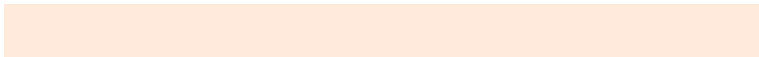
89.6044, 0.2921, 0.3437



89.6044, 0.2751, 0.3135



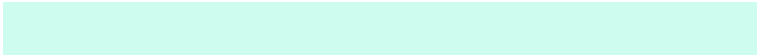
89.6044, 0.3332, 0.3147



89.6044, 0.3519, 0.3425

Sweetspot

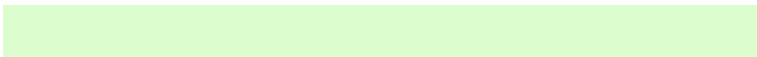
The Sweet Spot groups the original color and five complimentary colors.



89.6081, 0.2921, 0.3437



96.9229, 0.3059, 0.3334



89.9413, 0.3192, 0.3787



20.6768, 0.3052, 0.3339



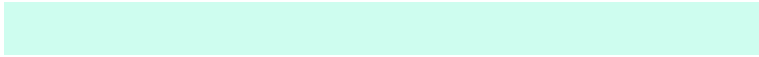
0.0000, 0.0000, 0.0000



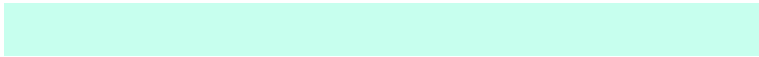
21.4041, 0.3127, 0.3290

Same Dimension

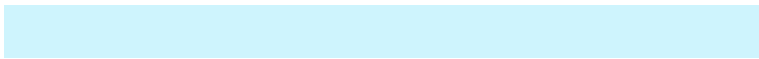
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6081, 0.2921, 0.3437



89.8393, 0.2885, 0.3467



84.6724, 0.2841, 0.3191



20.3839, 0.3020, 0.3362



39.1011, 0.2525, 0.4291



3.8264, 0.2490, 0.4162

Inverse Universe

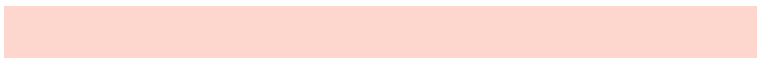
The Inverse Universe completely reimagines the original color for something new.



70.1763, 0.3386, 0.3148



66.9979, 0.3446, 0.3120



74.1313, 0.3475, 0.3387



18.0760, 0.3247, 0.3219



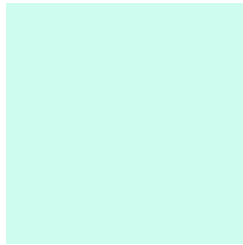
11.4035, 0.5777, 0.2956



1.1286, 0.5457, 0.2780

Previews

White Background



This preview shows how the Yxy color 89.6044, 0.2921, 0.3437 looks on a white background.

Color Contrast Check

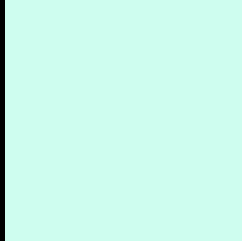
Large Text (above 18pt) WCAG AA × Fail

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 89.6044, 0.2921, 0.3437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

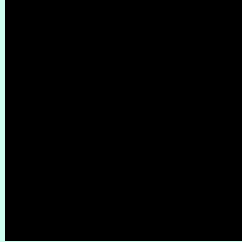
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

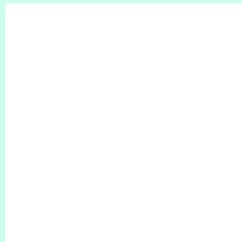
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6044, 0.2921, 0.3437

Background



This preview shows how black text looks on a background with the Yxy color 89.6044, 0.2921, 0.3437.

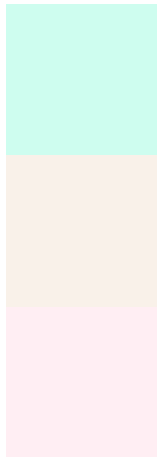


This preview shows how white text looks on a background with the Yxy color 89.6044, 0.2921, 0.3437.

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

89.6044, 0.2921, 0.3437

Protanopia

88.9335, 0.3229, 0.3370

Deuteranopia

88.8801, 0.3209, 0.3242



Tritanopia

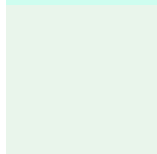
89.1828, 0.2969, 0.3189

Trichromacy



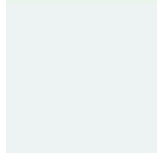
Original Color

89.6044, 0.2921, 0.3437



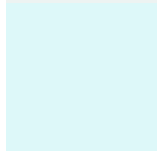
Protanomaly

88.6266, 0.3110, 0.3392



Deuteranomaly

88.5165, 0.3094, 0.3300



Tritanomaly

89.3465, 0.2954, 0.3279

Monochromacy



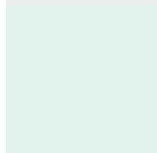
Original Color

89.6044, 0.2921, 0.3437



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.4430, 0.3048, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6044, 0.2921, 0.3437 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(206, 253, 239)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 253, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 253, 239) }
```

Border

The CSS property to change the border of an element to Yxy 89.6044, 0.2921, 0.3437 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(206, 253, 239) }
```

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

```
.border{ border-color:rgb(206, 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(206, 253, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 253, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 253, 239); box-shadow:4px 4px 4px 4px rgb(206, 253, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6044, 0.2921, 0.3437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 253, 239) }
```

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

```
.background{ background-color: rgb(206,  
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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