

Converting Colors

$Yxy(89.8609, 0.2937, 0.3491)$

Have a look what the booklet for
Yxy(89.8609, 0.2937, 0.3491)
contains.

Yxy(89.8609, 0.2937, 0.3491)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.8609, 0.2937, 0.3491)

Conversions

Conversions Part 1

Format	Color
Hex	CDFEEB
RGB	205, 254, 235
RGB Percent	80%, 100%, 92%
CMY	0.1963, 0.0038, 0.0785
CMYK	0.19, 0.00, 0.07, 0.00
HSL	157°, 96%, 90%
HSV	157°, 19%, 100%
XYZ	75.6005, 89.8609, 91.9459
YIQ	237.1830, -23.1050, -16.2970

Conversions

Conversions Part 2

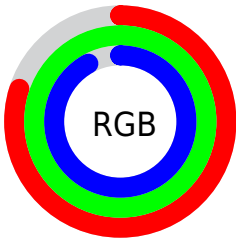
Format	Color
R _Y B	205, 235, 254
Decimal	13500139
CIE Lab	95.94, -19.23, 3.96
CIE LCh	96, 19.631, 168.368
Yxy	89.8609, 0.2937, 0.3491
Android (android.graphics.Color)	4291690219 (0xFFCDFEEB)
YUV	237.1830, -1.0762, -28.2245
Hunter-Lab	94.7950, -23.5346, 8.8485

Details

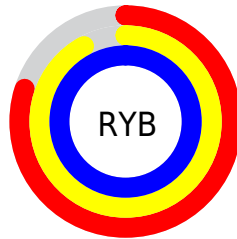
The Yxy color **89.8609, 0.2937, 0.3491** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.0914, 0.3366, 0.3098**, and the grayscale version is **84.8521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6712, 0.2897, 0.3537** is the 20% darker color. If you saturate the color by 10%, you get **85.9881, 0.2846, 0.3611**, and if you desaturate by 10%, it is **94.3591, 0.3034, 0.3382**.

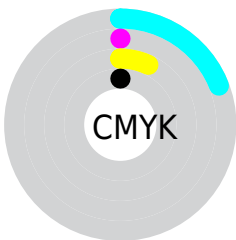
Distribution



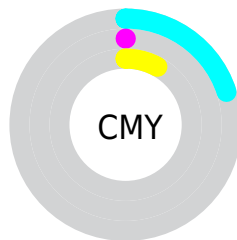
- Red (80%)
- Green (100%)
- Blue (92%)



- Red (80%)
- Yellow (92%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.8609, 0.2937, 0.3491 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 89.8609, 0.2937, 0.3491 by changing the saturation by 10% instead.


 89.8609, 0.2937,
0.3491

 89.8609, 0.2937,
0.3491


527.5783, 0.3022,
0.3400

 67.8653, 0.2918,
0.3511


147.1452, 0.2966,
0.3460

 49.7881, 0.2895,
0.3536


183.2026, 0.2978,
0.3448

 35.2451, 0.2866,
0.3567

224.7161, 0.2988,
0.3437

 23.8517, 0.2829,
0.3607

272.0700, 0.2996,
0.3428

 15.2237, 0.2780,
0.3661

325.6488, 0.3004,
0.3420

 8.9765, 0.2712,
0.3736

385.8369, 0.3011,

 4.7259, 0.2611,

0.3413

0.3849

453.0186, 0.3017,
0.3406

■ 2.0873, 0.2445,
0.4039

■ 0.6575, 0.1242,
0.5251

■ 89.8609, 0.2937,
0.3491

■ 89.8609, 0.2937,
0.3491

■ 85.9881, 0.2846,
0.3611

■ 94.3591, 0.3034,
0.3382

■ 82.7007, 0.2765,
0.3742

99.3560, 0.3129,
0.3284

■ 79.9713, 0.2695,
0.3881

99.3760, 0.3128,
0.3281

■ 77.7659, 0.2641,
0.4028

■ 76.0465, 0.2606,
0.4180

■ 74.7699, 0.2591,
0.4333

■ 73.8848, 0.2597,
0.4484

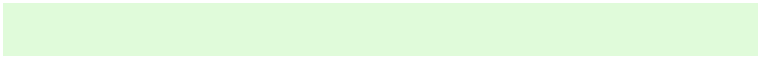
■ 73.3132, 0.2621,
0.4632

■ 73.2794, 0.2623,
0.4641

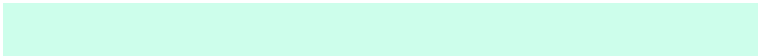
Harmonies

Analogous

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



89.8609, 0.3152, 0.3638



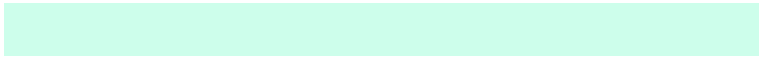
89.8609, 0.2937, 0.3491



89.8609, 0.2777, 0.3288

Triad

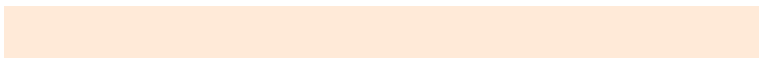
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.8609, 0.2937, 0.3491



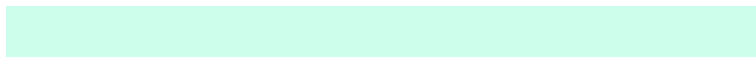
89.8609, 0.2885, 0.2921



89.8609, 0.3565, 0.3462

Complementary

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



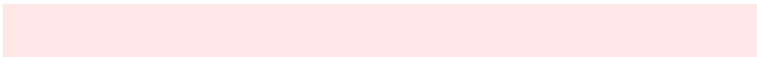
89.8609, 0.2937, 0.3491



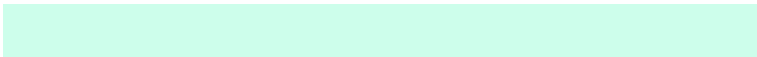
70.0914, 0.3366, 0.3098

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.



89.8609, 0.3489, 0.3276



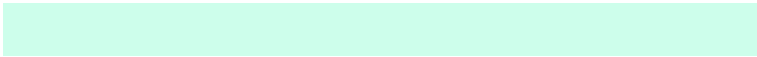
89.8609, 0.2937, 0.3491



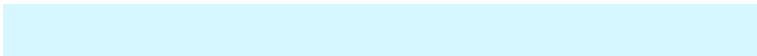
89.8609, 0.3090, 0.2972

Square

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



89.8609, 0.2937, 0.3491



89.8609, 0.2747, 0.2963



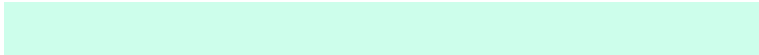
89.8609, 0.3313, 0.3100



89.8609, 0.3518, 0.3612

Rectangle

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



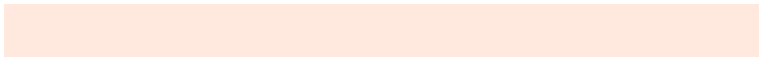
89.8609, 0.2937, 0.3491



89.8609, 0.2720, 0.3154



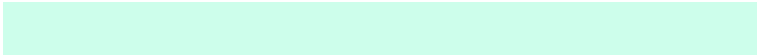
89.8609, 0.3313, 0.3100



89.8609, 0.3553, 0.3402

Sweetspot

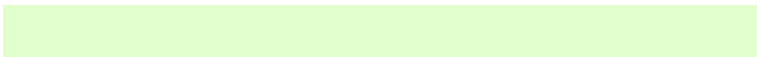
The Sweet Spot groups the original color and five complimentary colors.



89.8646, 0.2937, 0.3491



96.8365, 0.3067, 0.3348



91.2404, 0.3226, 0.3804



20.6564, 0.3060, 0.3355



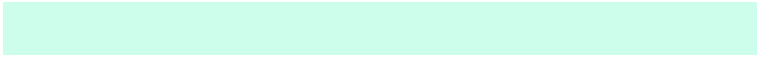
0.0000, 0.0000, 0.0000



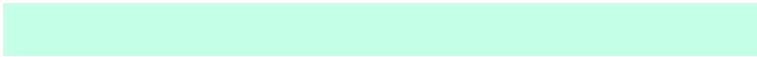
21.4041, 0.3127, 0.3290

Same Dimension

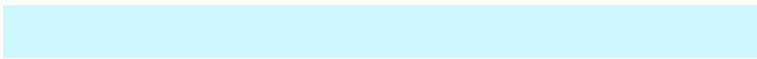
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.8646, 0.2937, 0.3491



89.1434, 0.2903, 0.3534



87.9489, 0.2834, 0.3238



20.3551, 0.3032, 0.3384



38.6569, 0.2616, 0.4618



3.7853, 0.2569, 0.4449

Inverse Universe

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



70.0914, 0.3366, 0.3098



66.0175, 0.3422, 0.3059



71.4999, 0.3500, 0.3341



18.1037, 0.3233, 0.3198



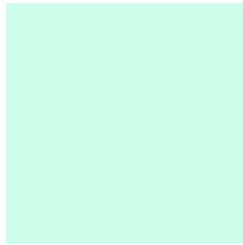
11.6056, 0.5434, 0.2767



1.1506, 0.5128, 0.2599

Previews

White Background



This preview shows how the Yxy color 89.8609, 0.2937, 0.3491 looks on a white background.

Color Contrast Check

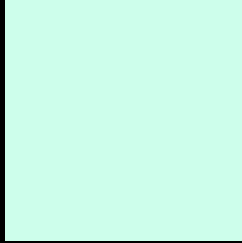
Large Text (above 18pt) WCAG AA × Fail

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 89.8609, 0.2937, 0.3491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

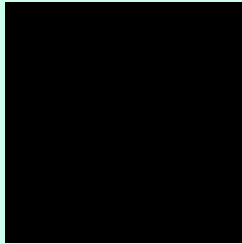
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

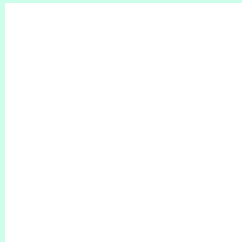
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.8609, 0.2937, 0.3491

Background



This preview shows how black text looks on a background with the Yxy color 89.8609, 0.2937, 0.3491.

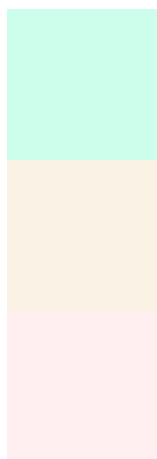


This preview shows how white text looks on a background with the Yxy color 89.8609, 0.2937, 0.3491.

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

89.8609, 0.2937, 0.3491

Protanopia

89.4297, 0.3266, 0.3429

Deuteranopia

89.3439, 0.3221, 0.3271



Tritanopia

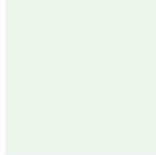
89.7895, 0.2969, 0.3199

Trichromacy



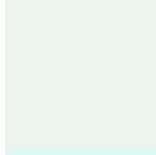
Original Color

89.8609, 0.2937, 0.3491



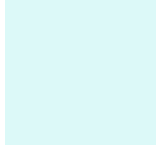
Protanomaly

89.1735, 0.3139, 0.3443



Deuteranomaly

88.9379, 0.3112, 0.3340



Tritanomaly

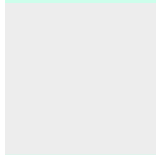
89.7443, 0.2954, 0.3300

Monochromacy



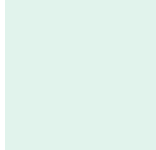
Original Color

89.8609, 0.2937, 0.3491



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.1649, 0.3053, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8609, 0.2937, 0.3491 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(205, 254, 235)` looks like.

```
.text, #text, p{  
    color:rgb(205, 254, 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(205, 254, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 254, 235) }
```

Border

The CSS property to change the border of an element to Yxy 89.8609, 0.2937, 0.3491 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(205, 254, 235) }
```

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

```
.border{ border-color:rgb(205, 254, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 254, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 254, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 254, 235);  
box-shadow:4px 4px 4px 4px rgb(205, 254,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8609, 0.2937, 0.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 254, 235) }
```

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

```
.background{ background-color: rgb(205,  
254, 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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