

Converting Colors

$Yxy(90.0335, 0.2888, 0.3374)$

Have a look what the booklet for
Yxy(90.0335, 0.2888, 0.3374)
contains.

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Color

Yxy(89.9649, 0.2889, 0.3373)

Conversions

Conversions Part 1

Format	Color
Hex	CEFDF5
RGB	206, 253, 245
RGB Percent	81%, 99%, 96%
CMY	0.1923, 0.0078, 0.0392
CMYK	0.19, 0.00, 0.03, 0.01
HSL	170°, 92%, 90%
HSV	170°, 19%, 99%
XYZ	77.0556, 89.9649, 99.7002
YIQ	238.0350, -25.4440, -12.4520

Conversions

Conversions Part 2

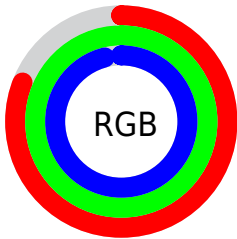
Format	Color
RYB	206, 232, 253
Decimal	13565429
CIELab	95.98, -16.46, -1.14
CIELCh	96, 16.500, 183.958
Yxy	89.9649, 0.2889, 0.3373
Android (android.graphics.Color)	4291755509 (0xFFCEFD5)
YUV	238.0350, 3.4337, -28.0947
Hunter-Lab	94.8498, -20.9745, 4.0729

Details

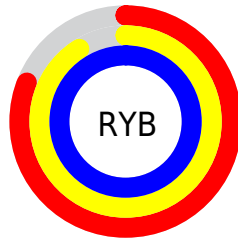
The Yxy color **89.9649, 0.2889, 0.3373** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.8672, 0.3431, 0.3209**, and the grayscale version is **85.5152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7333, 0.2837, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **86.3751, 0.2772, 0.3424**, and if you desaturate by 10%, it is **94.1510, 0.3015, 0.3327**.

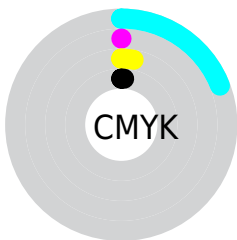
Distribution



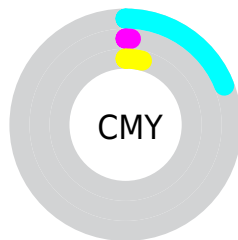
- Red (81%)
- Green (99%)
- Blue (96%)



- Red (81%)
- Yellow (91%)
- Blue (99%)



- Cyan (19%)
- Magenta (0%)
- Yellow (3%)
- Black (1%)





- Cyan (19%)
- Magenta (1%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9649, 0.2889, 0.3373 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 89.9649, 0.2889, 0.3373 by changing the saturation by 10% instead.


 89.9649, 0.2889,
0.3373

 89.9649, 0.2889,
0.3373

527.9167, 0.2995,
0.3337

 67.9515, 0.2866,
0.3381

147.2896, 0.2925,
0.3361

 49.8583, 0.2838,
0.3391


183.3698, 0.2939,
0.3356

 35.3008, 0.2803,
0.3402


224.9077, 0.2951,
0.3352

 23.8947, 0.2758,
0.3417

272.2877, 0.2962,
0.3348

 15.2555, 0.2699,
0.3437

325.8942, 0.2972,
0.3345

 8.9989, 0.2619,
0.3464

386.1116, 0.2980,

 4.7405, 0.2501,

0.3342

0.3503

453.3243, 0.2988,
0.3339

■ 2.0958, 0.2312,
0.3563

■ 0.6623, 0.1346,
0.3917

■ 89.9649, 0.2889,
0.3373

■ 89.9649, 0.2889,
0.3373

■ 86.3751, 0.2772,
0.3424

■ 94.1510, 0.3015,
0.3327

■ 83.3427, 0.2667,
0.3478

■ 98.6485, 0.3136,
0.3284

■ 80.8412, 0.2577,
0.3535

■ 98.7373, 0.3128,
0.3271

■ 78.8375, 0.2503,
0.3595

■ 77.2950, 0.2449,
0.3656

■ 76.1717, 0.2414,
0.3717

■ 75.4182, 0.2399,
0.3779

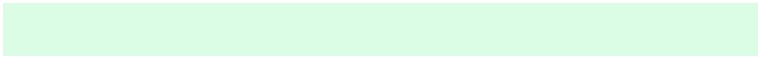
■ 74.9638, 0.2402,
0.3840

■ 74.9106, 0.2402,
0.3849

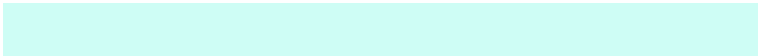
Harmonies

Analogous

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



89.9649, 0.3052, 0.3526



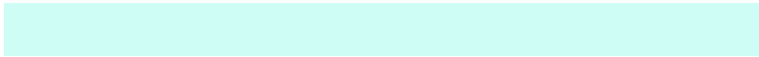
89.9649, 0.2889, 0.3373



89.9649, 0.2791, 0.3201

Triad

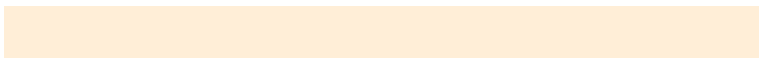
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.9649, 0.2889, 0.3373



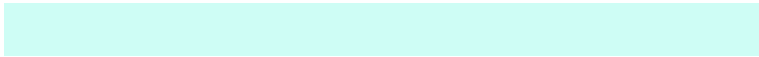
89.9649, 0.3009, 0.2991



89.9649, 0.3487, 0.3508

Complementary

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



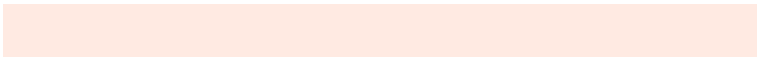
89.9649, 0.2889, 0.3373



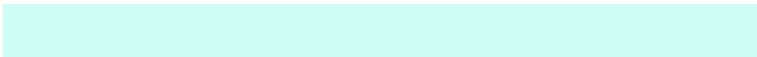
69.8672, 0.3431, 0.3209

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.



89.9649, 0.3476, 0.3363



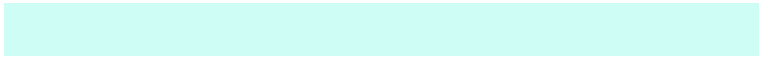
89.9649, 0.2889, 0.3373



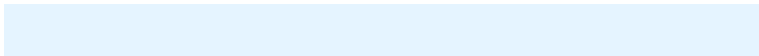
89.9649, 0.3196, 0.3070

Square

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



89.9649, 0.2889, 0.3373



89.9649, 0.2858, 0.2986



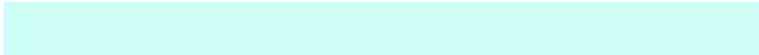
89.9649, 0.3368, 0.3204



89.9649, 0.3398, 0.3601

Rectangle

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



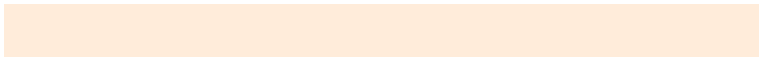
89.9649, 0.2889, 0.3373



89.9649, 0.2773, 0.3101



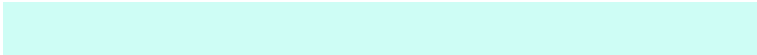
89.9649, 0.3368, 0.3204



89.9649, 0.3495, 0.3463

Sweetspot

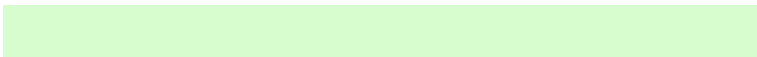
The Sweet Spot groups the original color and five complimentary colors.



89.9686, 0.2889, 0.3373



97.0464, 0.3048, 0.3315



89.0982, 0.3157, 0.3792



20.7061, 0.3040, 0.3318



0.0000, 0.0000, 0.0000



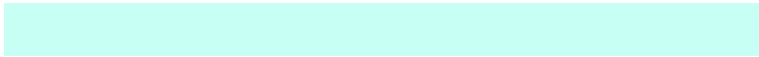
21.4041, 0.3127, 0.3290

Same Dimension

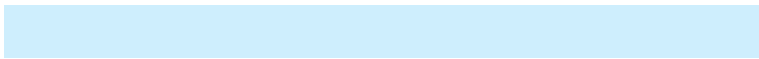
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.9686, 0.2889, 0.3373



90.2694, 0.2848, 0.3390



81.4265, 0.2838, 0.3132



20.4253, 0.3003, 0.3331



39.8649, 0.2400, 0.3839



3.8949, 0.2380, 0.3769

Inverse Universe

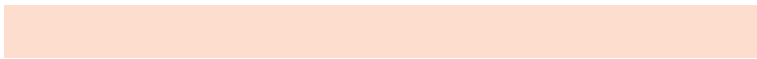
The Inverse Universe completely reimagines the original color for something new.



69.8672, 0.3431, 0.3209



66.6364, 0.3502, 0.3193



76.9826, 0.3465, 0.3443



18.0375, 0.3267, 0.3250



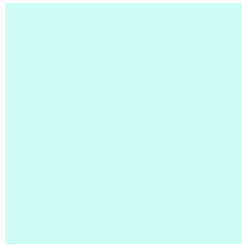
11.2159, 0.6154, 0.3164



1.1054, 0.5872, 0.3008

Previews

White Background



This preview shows how the Yxy color 89.9649, 0.2889, 0.3373 looks on a white background.

Color Contrast Check

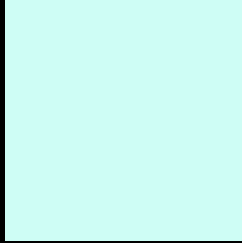
Large Text (above 18pt) WCAG AA × Fail

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 89.9649, 0.2889, 0.3373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

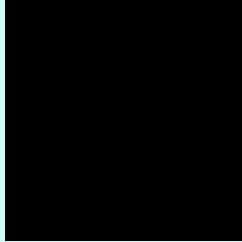
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

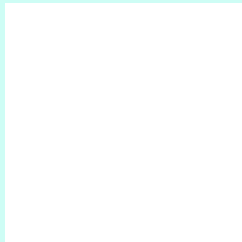
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.9649, 0.2889, 0.3373

Background



This preview shows how black text looks on a background with the Yxy color 89.9649, 0.2889, 0.3373.

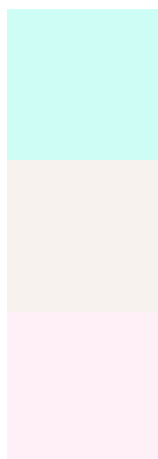


This preview shows how white text looks on a background with the Yxy color 89.9649, 0.2889, 0.3373.

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

89.9649, 0.2889, 0.3373

Protanopia

89.6927, 0.3185, 0.3320

Deuteranopia

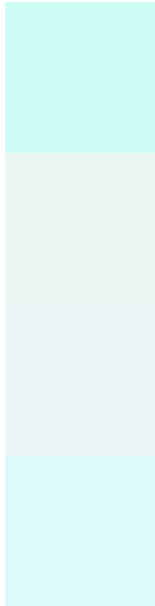
89.6468, 0.3190, 0.3222



Tritanopia

89.7895, 0.2969, 0.3199

Trichromacy



Original Color

89.9649, 0.2889, 0.3373

Protanomaly

89.5860, 0.3074, 0.3340

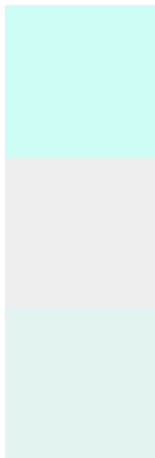
Deuteranomaly

89.3597, 0.3070, 0.3270

Tritanomaly

90.0886, 0.2943, 0.3269

Monochromacy



Original Color

89.9649, 0.2889, 0.3373

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.6208, 0.3030, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9649, 0.2889, 0.3373 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(206, 253, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 253, 245) }
```

Border

The CSS property to change the border of an element to Yxy 89.9649, 0.2889, 0.3373 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, 245) }
```

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

```
.border{ border-color:rgb(206, 253, 245) }
```

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, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 253, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 253, 245);  
box-shadow:4px 4px 4px 4px rgb(206, 253,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9649, 0.2889, 0.3373 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, 245) }
```

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

```
.background{ background-color: rgb(206,  
253, 245) }
```

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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