

Converting Colors

$Y_{xy}(89.6587, 0.2970, 0.3317)$

Have a look what the booklet for
Yxy(89.6587, 0.2970, 0.3317)
contains.

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Color

Yxy(89.7773, 0.2971, 0.3320)

Conversions

Conversions Part 1

Format	Color
Hex	DDF9F6
RGB	221, 249, 246
RGB Percent	87%, 98%, 96%
CMY	0.1332, 0.0236, 0.0352
CMYK	0.11, 0.00, 0.01, 0.02
HSL	174°, 70%, 92%
HSV	174°, 11%, 98%
XYZ	80.3399, 89.7773, 100.2964
YIQ	240.2860, -15.7250, -6.8690

Conversions

Conversions Part 2

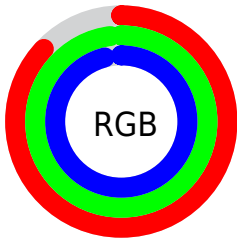
Format	Color
R _Y B	221, 236, 249
Decimal	14547446
CIE Lab	95.90, -9.59, -1.66
CIE LCh	96, 9.736, 189.814
Yxy	89.7773, 0.2971, 0.3320
Android (android.graphics.Color)	4292737526 (0xFFDDDF9F6)
YUV	240.2860, 2.8170, -16.9138
Hunter-Lab	94.7509, -14.4628, 3.5655

Details

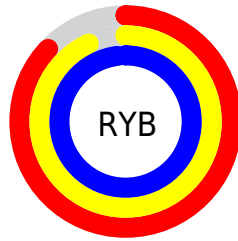
The Yxy color **89.7773, 0.2971, 0.3320** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.2560, 0.3308, 0.3260**, and the grayscale version is **87.3680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9646, 0.2938, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **85.9956, 0.2840, 0.3349**, and if you desaturate by 10%, it is **94.1485, 0.3110, 0.3293**.

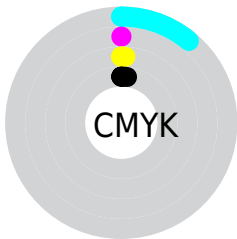
Distribution



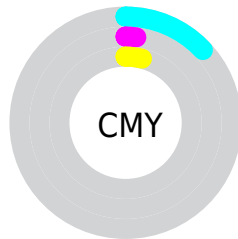
- Red (87%)
- Green (98%)
- Blue (96%)



- Red (87%)
- Yellow (93%)
- Blue (98%)



- Cyan (11%)
- Magenta (0%)
- Yellow (1%)
- Black (2%)



- Cyan (13%)
- Magenta (2%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.7773, 0.2971, 0.3320 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 89.7773, 0.2971, 0.3320 by changing the saturation by 10% instead.


 89.7773, 0.2971,
0.3320

 89.7773, 0.2971,
0.3320


527.3062, 0.3040,
0.3307

 67.7960, 0.2956,
0.3323

147.0290, 0.2995,
0.3316

 49.7318, 0.2937,
0.3326


183.0682, 0.3004,
0.3314

 35.2003, 0.2914,
0.3330


224.5621, 0.3012,
0.3312

 23.8172, 0.2885,
0.3335


271.8951, 0.3019,
0.3311

 15.1981, 0.2846,
0.3342

325.4516, 0.3025,
0.3310

 8.9585, 0.2793,
0.3351

385.6160, 0.3031,

 4.7141, 0.2715,

0.3309

452.7727, 0.3036,
0.3308

0.3364

■ 2.0805, 0.2589,
0.3384

■ 0.6536, 0.2072,
0.3498

■ 89.7773, 0.2971,
0.3320

■ 85.9956, 0.2840,
0.3349

■ 82.7667, 0.2719,
0.3381

■ 80.0669, 0.2612,
0.3415

■ 77.8668, 0.2520,
0.3450

■ 89.7773, 0.2971,
0.3320

■ 94.1485, 0.3110,
0.3293

■ 95.9927, 0.3152,
0.3268

■ 96.1613, 0.3136,
0.3243

■ 96.2275, 0.3130,
0.3233

■ 76.1337, 0.2447,
0.3487

■ 74.8312, 0.2393,
0.3524

■ 73.9175, 0.2359,
0.3561

■ 73.3424, 0.2343,
0.3598

■ 73.0476, 0.2342,
0.3630

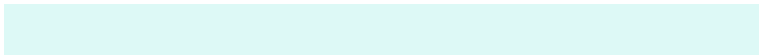
Harmonies

Analogous

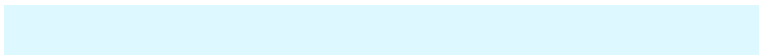
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7773, 0.3063, 0.3412



89.7773, 0.2971, 0.3320



89.7773, 0.2921, 0.3221

Triad

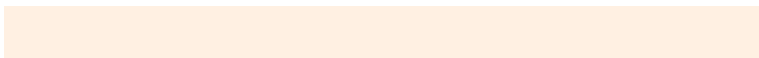
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.7773, 0.2971, 0.3320



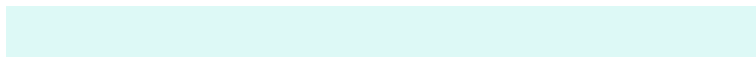
89.7773, 0.3079, 0.3117



89.7773, 0.3333, 0.3434

Complementary

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



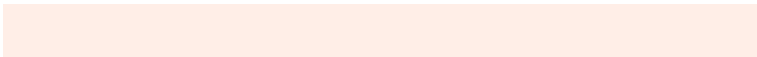
89.7773, 0.2971, 0.3320



77.2560, 0.3308, 0.3260

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.



89.7773, 0.3338, 0.3353



89.7773, 0.2971, 0.3320



89.7773, 0.3190, 0.3172

Square

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



89.7773, 0.2971, 0.3320



89.7773, 0.2983, 0.3106



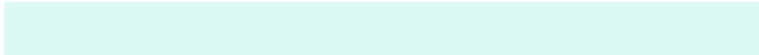
89.7773, 0.3285, 0.3258



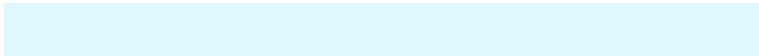
89.7773, 0.3272, 0.3478

Rectangle

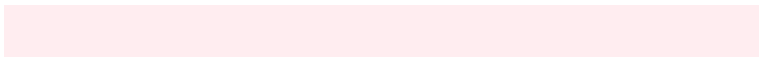
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



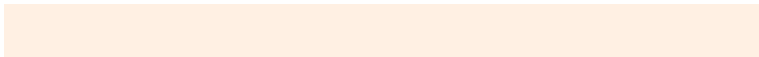
89.7773, 0.2971, 0.3320



89.7773, 0.2918, 0.3165



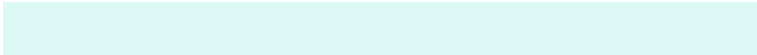
89.7773, 0.3285, 0.3258



89.7773, 0.3341, 0.3410

Sweetspot

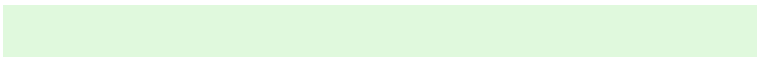
The Sweet Spot groups the original color and five complimentary colors.



89.7811, 0.2971, 0.3320



98.5255, 0.3085, 0.3298



88.8658, 0.3134, 0.3582



21.0062, 0.3073, 0.3300



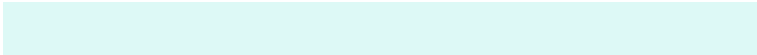
0.0000, 0.0000, 0.0000



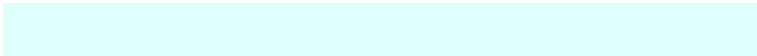
21.4041, 0.3127, 0.3290

Same Dimension

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



89.7811, 0.2971, 0.3320



94.0207, 0.2947, 0.3325



83.5292, 0.2953, 0.3179



19.5749, 0.2995, 0.3315



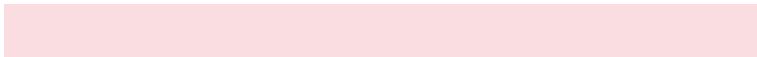
39.1163, 0.2340, 0.3624



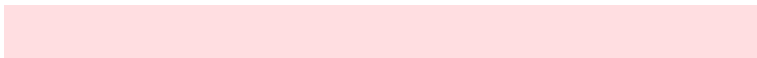
3.6317, 0.2328, 0.3580

Inverse Universe

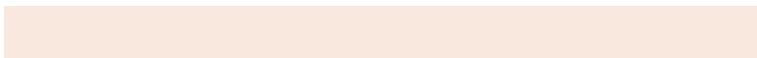
The Inverse Universe completely reimagines the original color for something new.



77.2560, 0.3308, 0.3260



78.8798, 0.3341, 0.3255



82.9374, 0.3316, 0.3399



17.2552, 0.3277, 0.3265



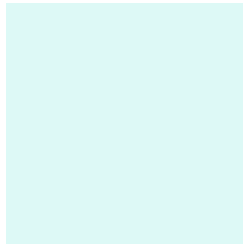
10.8313, 0.6277, 0.3231



1.0127, 0.6044, 0.3103

Previews

White Background



This preview shows how the Yxy color 89.7773, 0.2971, 0.3320 looks on a white background.

Color Contrast Check

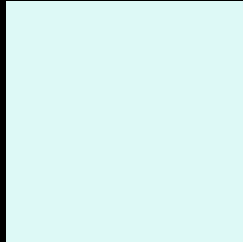
Large Text (above 18pt) WCAG AA × Fail

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 89.7773, 0.2971, 0.3320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

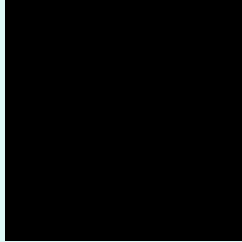
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

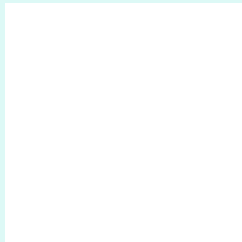
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.7773, 0.2971, 0.3320

Background



This preview shows how black text looks on a background with the Yxy color 89.7773, 0.2971, 0.3320.

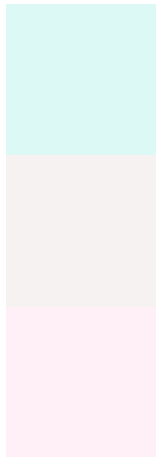


This preview shows how white text looks on a background with the Yxy color 89.7773, 0.2971, 0.3320.

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

89.7773, 0.2971, 0.3320

Protanopia

89.6892, 0.3160, 0.3290

Deuteranopia

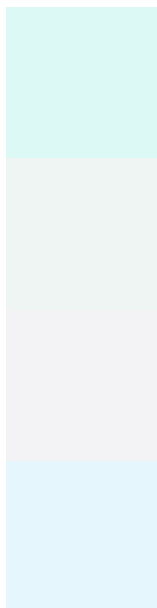
89.6468, 0.3190, 0.3222



Tritanopia

90.0172, 0.2999, 0.3190

Trichromacy



Original Color

89.7773, 0.2971, 0.3320

Protanomaly

89.9530, 0.3094, 0.3310

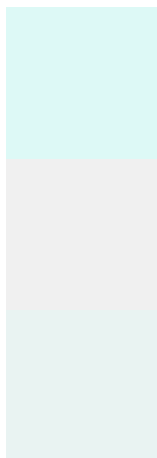
Deuteranomaly

89.8097, 0.3109, 0.3260

Tritanomaly

89.5978, 0.2986, 0.3229

Monochromacy



Original Color

89.7773, 0.2971, 0.3320

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.8356, 0.3069, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.7773, 0.2971, 0.3320 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(221, 249, 246)` looks like.

```
.text, #text, p{  
    color:rgb(221, 249, 246)  
}
```

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(221, 249, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 249, 246) }
```

Border

The CSS property to change the border of an element to Yxy 89.7773, 0.2971, 0.3320 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(221, 249, 246) }
```

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

```
.border{ border-color:rgb(221, 249, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 249, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 249, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 249, 246);  
box-shadow:4px 4px 4px 4px rgb(221, 249,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 89.7773, 0.2971, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 249, 246) }
```

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

```
.background{ background-color: rgb(221,  
249, 246) }
```

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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