

# Converting Colors

$Yxy(88.9101, 0.3001, 0.3316)$

Have a look what the booklet for  
Yxy(88.9101, 0.3001, 0.3316)  
contains.

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# Color

**Yxy(88.9005, 0.3000, 0.3320)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0F7F4
RGB	224, 247, 244
RGB Percent	88%, 97%, 96%
CMY	0.1216, 0.0314, 0.0430
CMYK	0.09, 0.00, 0.01, 0.03
HSL	172°, 59%, 92%
HSV	172°, 9%, 97%
XYZ	80.3318, 88.9005, 98.5403
YIQ	239.7810, -12.7450, -5.8090

# Conversions

## Conversions Part 2

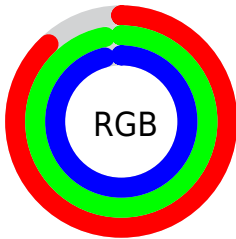
Format	Color
R <sub>Y</sub> B	224, 236, 247
Decimal	14743540
CIE Lab	95.54, -8.03, -1.15
CIE LCh	96, 8.115, 188.127
Yxy	88.9005, 0.3000, 0.3320
Android (android.graphics.Color)	4292933620 (0xFFE0F7F4)
YUV	239.7810, 2.0800, -13.8399
Hunter-Lab	94.2871, -12.9219, 4.0364

# Details

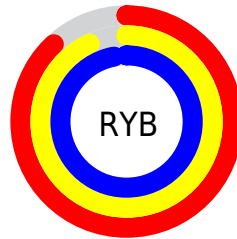
The Yxy color **88.9005, 0.3000, 0.3320** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.6250, 0.3271, 0.3260**, and the grayscale version is **86.9508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3275, 0.2974, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **85.0483, 0.2870, 0.3355**, and if you desaturate by 10%, it is **93.3368, 0.3137, 0.3288**.

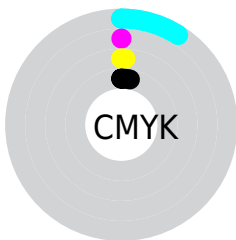
# Distribution



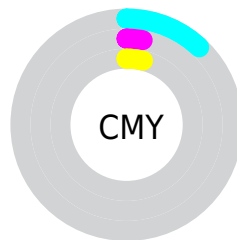
- Red (88%)
- Green (97%)
- Blue (96%)



- Red (88%)
- Yellow (93%)
- Blue (97%)



- Cyan (9%)
- Magenta (0%)
- Yellow (1%)
- Black (3%)




- Cyan (12%)
- Magenta (3%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.9005, 0.3000, 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 88.9005, 0.3000, 0.3320 by changing the saturation by 10% instead.



 88.9005, 0.3000,  
0.3320

 88.9005, 0.3000,  
0.3320


524.4477, 0.3057,  
0.3307

 67.0691, 0.2988,  
0.3323


145.8102, 0.3019,  
0.3316

 49.1408, 0.2972,  
0.3326


181.6573, 0.3027,  
0.3314

 34.7312, 0.2953,  
0.3331


222.9450, 0.3033,  
0.3312

 23.4559, 0.2929,  
0.3336

270.0578, 0.3039,  
0.3311

 14.9305, 0.2897,  
0.3343

323.3801, 0.3044,  
0.3310

 8.7706, 0.2853,  
0.3353

383.2963, 0.3049,

 4.5919, 0.2788,

0.3309

450.1907, 0.3053,  
0.3308

0.3367

2.0098, 0.2683,  
0.3389

0.6132, 0.2213,  
0.3508

88.9005, 0.3000,  
0.3320

88.9005, 0.3000,  
0.3320

85.0483, 0.2870,  
0.3355

93.3368, 0.3137,  
0.3288

81.7443, 0.2749,  
0.3393

94.7126, 0.3158,  
0.3257

78.9659, 0.2641,  
0.3434

94.9147, 0.3139,  
0.3227

76.6846, 0.2549,  
0.3477

95.0047, 0.3131,  
0.3214

■ 74.8688, 0.2474,  
0.3521

■ 73.4839, 0.2417,  
0.3567

■ 72.4899, 0.2381,  
0.3613

■ 71.8395, 0.2364,  
0.3658

■ 71.4599, 0.2363,  
0.3703

# Harmonies

## Analogous

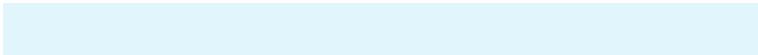
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9005, 0.3078, 0.3396



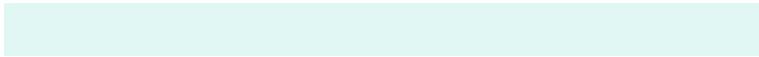
88.9005, 0.3000, 0.3320



88.9005, 0.2956, 0.3237

# Triad

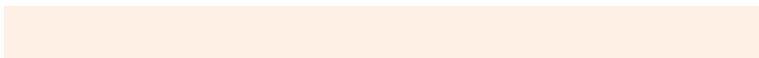
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.9005, 0.3000, 0.3320



88.9005, 0.3082, 0.3143



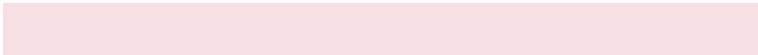
88.9005, 0.3301, 0.3408

# Complementary

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



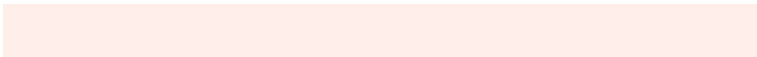
88.9005, 0.3000, 0.3320



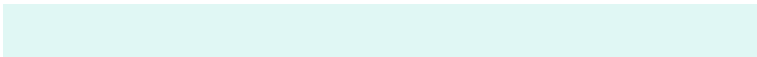
78.6250, 0.3271, 0.3260

# 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.



88.9005, 0.3302, 0.3339



88.9005, 0.3000, 0.3320



88.9005, 0.3175, 0.3188

# Square

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



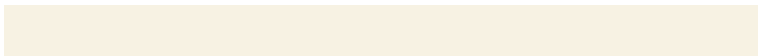
88.9005, 0.3000, 0.3320



88.9005, 0.3002, 0.3136



88.9005, 0.3256, 0.3259



88.9005, 0.3252, 0.3446

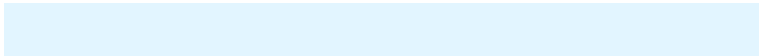


# Rectangle

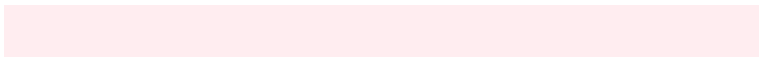
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



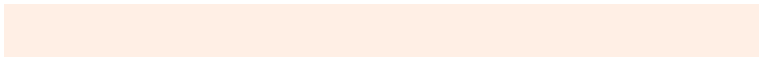
88.9005, 0.3000, 0.3320



88.9005, 0.2951, 0.3189



88.9005, 0.3256, 0.3259



88.9005, 0.3307, 0.3388

# Sweetspot

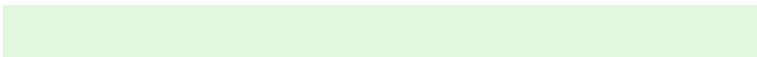
The Sweet Spot groups the original color and five complimentary colors.



88.9042, 0.3000, 0.3320



98.5144, 0.3086, 0.3299



88.2465, 0.3136, 0.3529



21.0032, 0.3075, 0.3302



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

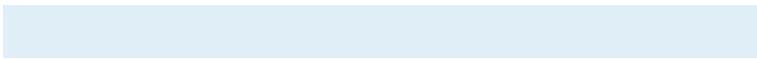
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.9042, 0.3000, 0.3320



94.8318, 0.2977, 0.3326



84.0409, 0.2983, 0.3203



18.7189, 0.2998, 0.3321



37.7943, 0.2361, 0.3699

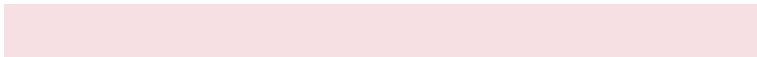


3.3318, 0.2345, 0.3642

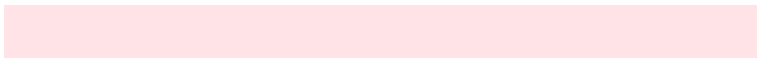


# Inverse Universe

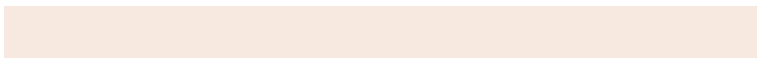
The Inverse Universe completely reimagines the original color for something new.



78.6250, 0.3271, 0.3260



81.9160, 0.3300, 0.3255



83.1115, 0.3281, 0.3376



16.5173, 0.3273, 0.3260



10.5239, 0.6236, 0.3209

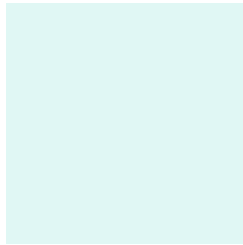


0.9357, 0.5958, 0.3056



# Previews

## White Background



This preview shows how the Yxy color 88.9005, 0.3000, 0.3320 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

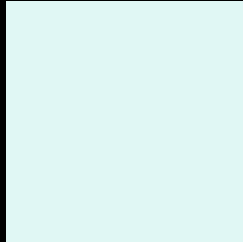
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.9005, 0.3000, 0.3320 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

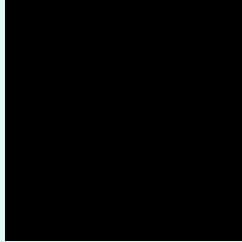
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

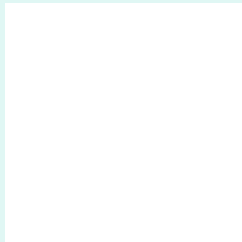
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.9005, 0.3000, 0.3320**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.9005, 0.3000, 0.3320.

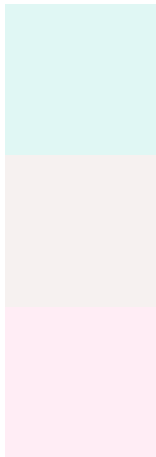


This preview shows how white text looks on a background with the Yxy color 88.9005, 0.3000, 0.3320.

# 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

88.9005, 0.3000, 0.3320

### Protanopia

88.7947, 0.3166, 0.3300

### Deuteranopia

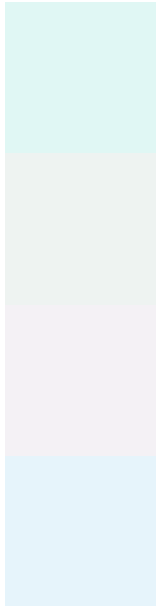
88.4209, 0.3197, 0.3212



## Tritanopia

88.6448, 0.2993, 0.3170

# Trichromacy



## Original Color

88.9005, 0.3000, 0.3320

## Protanomaly

88.6292, 0.3107, 0.3310

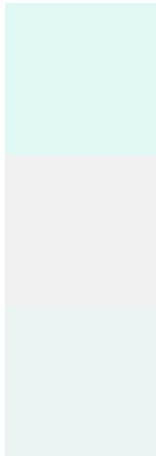
## Deuteranomaly

88.7363, 0.3122, 0.3250

## Tritanomaly

88.4894, 0.2997, 0.3219

# Monochromacy



## Original Color

88.9005, 0.3000, 0.3320

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

87.9445, 0.3081, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.9005, 0.3000, 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(224, 247, 244)` looks like.

```
.text, #text, p{  
    color:rgb(224, 247, 244)  
}
```

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(224, 247, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 247, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 88.9005, 0.3000, 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(224, 247, 244) }
```

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

```
.border{ border-color:rgb(224, 247, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 247, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 247, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 247, 244);  
box-shadow:4px 4px 4px 4px rgb(224, 247,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.9005, 0.3000, 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(224, 247, 244) }
```

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

```
.background{ background-color: rgb(224,  
247, 244) }
```

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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