

Converting Colors

$Yxy(87.0666, 0.3002, 0.3307)$

Have a look what the booklet for
Yxy(87.0666, 0.3002, 0.3307)
contains.

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Color

Yxy(86.8604, 0.3000, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	DFF4F3
RGB	223, 244, 243
RGB Percent	87%, 96%, 95%
CMY	0.1254, 0.0431, 0.0471
CMYK	0.09, 0.00, 0.00, 0.04
HSL	177°, 49%, 92%
HSV	177°, 9%, 96%
XYZ	78.9640, 86.8604, 97.3889
YIQ	237.6070, -12.1950, -4.7630

Conversions

Conversions Part 2

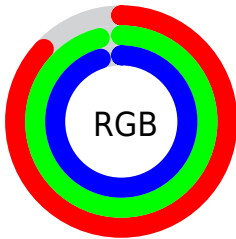
Format	Color
R _Y B	223, 234, 244
Decimal	14677235
CIE Lab	94.68, -7.03, -1.87
CIE LCh	95, 7.271, 194.929
Yxy	86.8604, 0.3000, 0.3300
Android (android.graphics.Color)	4292867315 (0xFFDFF4F3)
YUV	237.6070, 2.6587, -12.8103
Hunter-Lab	93.1989, -11.8617, 3.2837

Details

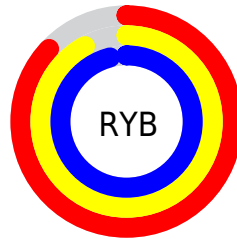
The Yxy color **86.8604, 0.3000, 0.3300** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.4064, 0.3270, 0.3280**, and the grayscale version is **85.1714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8791, 0.2973, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **83.1922, 0.2859, 0.3313**, and if you desaturate by 10%, it is **91.0949, 0.3148, 0.3288**.

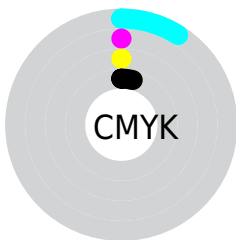
Distribution



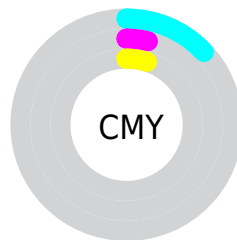
- Red (87%)
- Green (96%)
- Blue (95%)



- Red (87%)
- Yellow (92%)
- Blue (96%)



- Cyan (9%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)



- Cyan (13%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8604, 0.3000, 0.3300 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 86.8604, 0.3000, 0.3300 by changing the saturation by 10% instead.


 86.8604, 0.3000,
0.3300

 86.8604, 0.3000,
0.3300

517.7640, 0.3057,
0.3296

 65.3797, 0.2987,
0.3301


142.9695, 0.3019,
0.3299

 47.7690, 0.2972,
0.3302


178.3668, 0.3027,
0.3298

 33.6440, 0.2953,
0.3303


219.1716, 0.3034,
0.3298

 22.6202, 0.2929,
0.3305

265.7685, 0.3039,
0.3297

 14.3134, 0.2896,
0.3307

318.5418, 0.3045,
0.3297

 8.3389, 0.2851,
0.3309

377.8758, 0.3049,

 4.3126, 0.2785,

0.3296

0.3312

444.1551, 0.3053,
0.3296

■ 1.8499, 0.2676,
0.3316

■ 0.5180, 0.2092,
0.3377

■ 86.8604, 0.3000,
0.3300

■ 86.8604, 0.3000,
0.3300

■ 83.1922, 0.2859,
0.3313

■ 91.0949, 0.3148,
0.3288

■ 80.0555, 0.2729,
0.3326


■ 92.5747, 0.3191,
0.3277

■ 77.4286, 0.2613,
0.3341


■ 92.6468, 0.3183,
0.3266

■ 75.2838, 0.2512,
0.3356


■ 92.7194, 0.3176,
0.3255


 73.5909, 0.2430,
0.3372

 92.7924, 0.3169,
0.3243


 72.3165, 0.2367,
0.3388

 92.8659, 0.3162,
0.3232


 71.4222, 0.2323,
0.3404

 92.9399, 0.3155,
0.3221

 70.8630, 0.2298,
0.3420

 93.0143, 0.3148,
0.3210

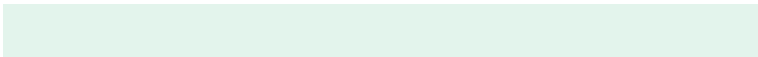
 70.5735, 0.2289,
0.3436

 93.0891, 0.3141,
0.3198

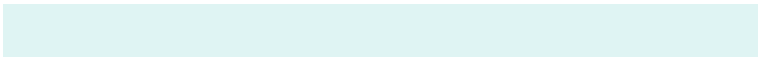
Harmonies

Analogous

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



86.8604, 0.3065, 0.3372



86.8604, 0.3000, 0.3300



86.8604, 0.2969, 0.3227

Triad

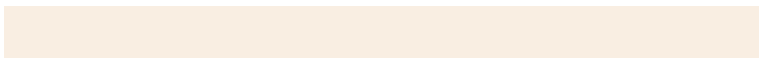
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8604, 0.3000, 0.3300



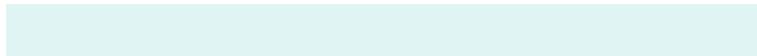
86.8604, 0.3105, 0.3164



86.8604, 0.3277, 0.3407

Complementary

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



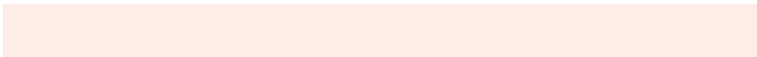
86.8604, 0.3000, 0.3300



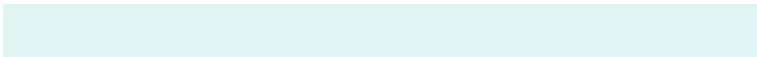
77.4064, 0.3270, 0.3280

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.



86.8604, 0.3289, 0.3350



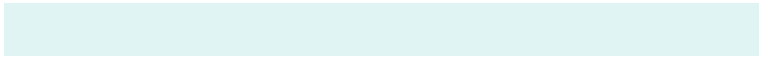
86.8604, 0.3000, 0.3300



86.8604, 0.3188, 0.3211

Square

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



86.8604, 0.3000, 0.3300



86.8604, 0.3029, 0.3149



86.8604, 0.3256, 0.3279



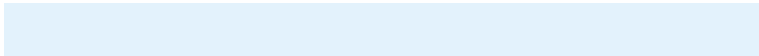
86.8604, 0.3225, 0.3434

Rectangle

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



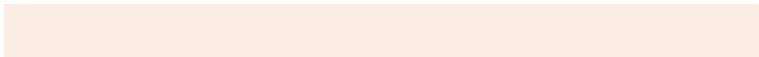
86.8604, 0.3000, 0.3300



86.8604, 0.2971, 0.3187



86.8604, 0.3256, 0.3279



86.8604, 0.3286, 0.3391

Sweetspot

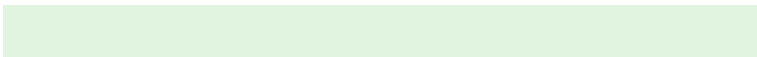
The Sweet Spot groups the original color and five complimentary colors.



86.8641, 0.3000, 0.3300



98.5542, 0.3082, 0.3293



85.8898, 0.3124, 0.3510



21.0140, 0.3070, 0.3294



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

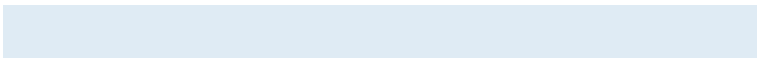
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8641, 0.3000, 0.3300



95.4016, 0.2979, 0.3302



81.3900, 0.2994, 0.3192



18.7432, 0.2987, 0.3301



38.3629, 0.2288, 0.3436



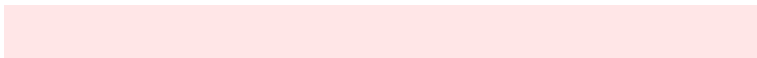
3.3759, 0.2282, 0.3416

Inverse Universe

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



77.4064, 0.3270, 0.3280



83.3299, 0.3296, 0.3278



82.5374, 0.3267, 0.3387



16.4954, 0.3286, 0.3279



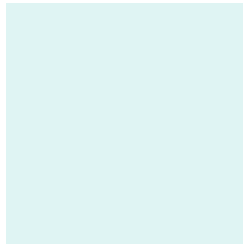
10.4775, 0.6351, 0.3272



0.9253, 0.6226, 0.3203

Previews

White Background



This preview shows how the Yxy color 86.8604, 0.3000, 0.3300 looks on a white background.

Color Contrast Check

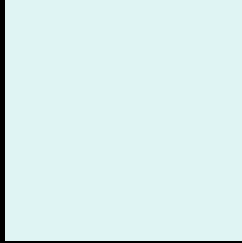
Large Text (above 18pt) WCAG AA × Fail

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 86.8604, 0.3000, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

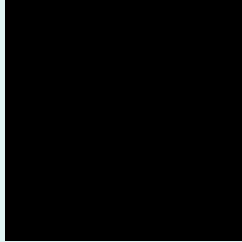
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

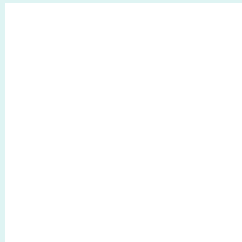
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8604, 0.3000, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 86.8604, 0.3000, 0.3300.

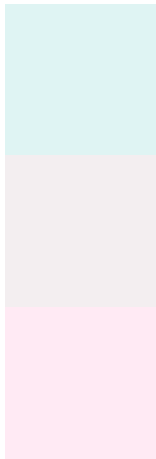


This preview shows how white text looks on a background with the Yxy color 86.8604, 0.3000, 0.3300.

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**

86.8604, 0.3000, 0.3300

Protanopia

86.4950, 0.3148, 0.3270

Deuteranopia

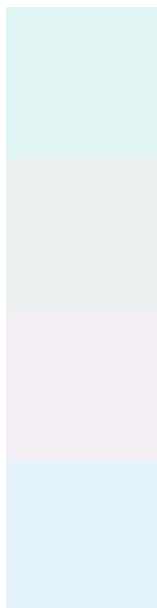
86.6373, 0.3206, 0.3193



Tritanopia

86.9536, 0.2974, 0.3149

Trichromacy



Original Color

86.8604, 0.3000, 0.3300

Protanomaly

86.5039, 0.3095, 0.3280

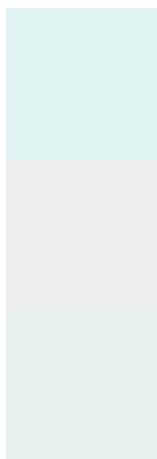
Deuteranomaly

86.7354, 0.3123, 0.3230

Tritanomaly

86.8002, 0.2979, 0.3198

Monochromacy



Original Color

86.8604, 0.3000, 0.3300

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.9351, 0.3082, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8604, 0.3000, 0.3300 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(223, 244, 243)` looks like.

```
.text, #text, p{  
    color:rgb(223, 244, 243)  
}
```

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(223, 244, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 244, 243) }
```

Border

The CSS property to change the border of an element to Yxy 86.8604, 0.3000, 0.3300 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(223, 244, 243) }
```

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

```
.border{ border-color:rgb(223, 244, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 244, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 244, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 244, 243);  
box-shadow:4px 4px 4px 4px rgb(223, 244,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8604, 0.3000, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 244, 243) }
```

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

```
.background{ background-color: rgb(223,  
244, 243) }
```

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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