

Converting Colors

$Yxy(87.7341, 0.2997, 0.3304)$

Have a look what the booklet for
Yxy(87.7341, 0.2997, 0.3304)
contains.

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Color

Yxy(87.5244, 0.2994, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	DFF5F4
RGB	223, 245, 244
RGB Percent	87%, 96%, 96%
CMY	0.1255, 0.0392, 0.0432
CMYK	0.09, 0.00, 0.00, 0.04
HSL	177°, 52%, 92%
HSV	177°, 9%, 96%
XYZ	79.4085, 87.5244, 98.2926
YIQ	238.3080, -12.7910, -4.9750

Conversions

Conversions Part 2

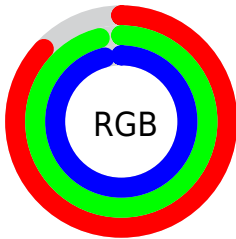
Format	Color
R _Y B	223, 234, 245
Decimal	14677492
CIE _{Lab}	94.96, -7.36, -1.98
CIE _{LCh}	95, 7.621, 195.078
Y _{xy}	87.5244, 0.2994, 0.3300
Android (android.graphics.Color)	4292867572 (0xFFDFF5F4)
Y _{UV}	238.3080, 2.8062, -13.4251
Hunter-Lab	93.5545, -12.2106, 3.1954

Details

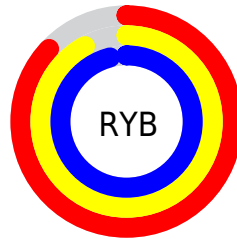
The Yxy color **87.5244, 0.2994, 0.3300** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.5635, 0.3277, 0.3280**, and the grayscale version is **85.7366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3509, 0.2966, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **83.8458, 0.2853, 0.3312**, and if you desaturate by 10%, it is **91.7738, 0.3142, 0.3289**.

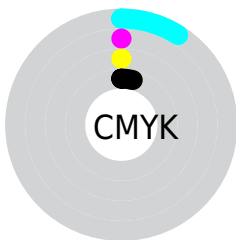
Distribution



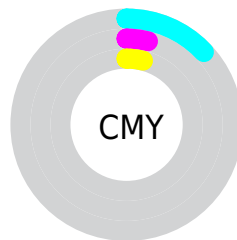
- Red (87%)
- Green (96%)
- Blue (96%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5244, 0.2994, 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 87.5244, 0.2994, 0.3300 by changing the saturation by 10% instead.


 87.5244, 0.2994,
0.3300

 87.5244, 0.2994,
0.3300

519.9445, 0.3053,
0.3296

 65.9293, 0.2981,
0.3301

143.8948, 0.3014,
0.3299

 48.2150, 0.2965,
0.3302


179.4389, 0.3022,
0.3298

 33.9972, 0.2945,
0.3303


220.4015, 0.3029,
0.3298

 22.8914, 0.2920,
0.3305

267.1668, 0.3035,
0.3297

 14.5134, 0.2886,
0.3306

320.1194, 0.3041,
0.3297

 8.4786, 0.2839,
0.3309

379.6436, 0.3045,

 4.4027, 0.2770,

0.3296

0.3312

446.1238, 0.3050,
0.3296

■ 1.9013, 0.2658,
0.3315

■ 0.5491, 0.2103,
0.3373

■ 87.5244, 0.2994,
0.3300

■ 87.5244, 0.2994,
0.3300

■ 83.8458, 0.2853,
0.3312

■ 91.7738, 0.3142,
0.3289

■ 80.7030, 0.2723,
0.3325


■ 93.2403, 0.3184,
0.3278

■ 78.0738, 0.2607,
0.3339

■ 93.3098, 0.3177,
0.3267


■ 75.9304, 0.2507,
0.3354


■ 93.3798, 0.3171,
0.3256


 74.2420, 0.2425,
0.3369


 93.4502, 0.3164,
0.3246


 72.9746, 0.2363,
0.3384


 93.5210, 0.3157,
0.3235

 72.0895, 0.2320,
0.3400

 93.5923, 0.3150,
0.3224

 71.5405, 0.2296,
0.3415

 93.6639, 0.3143,
0.3213

 71.2588, 0.2287,
0.3430

 93.7360, 0.3137,
0.3203

Harmonies

Analogous

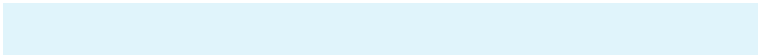
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5244, 0.3062, 0.3375



87.5244, 0.2994, 0.3300



87.5244, 0.2961, 0.3223

Triad

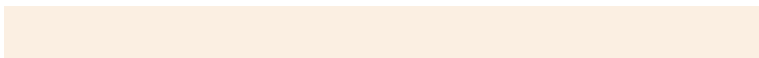
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5244, 0.2994, 0.3300



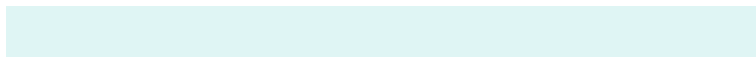
87.5244, 0.3105, 0.3158



87.5244, 0.3284, 0.3413

Complementary

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



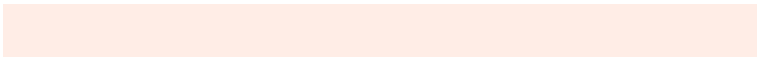
87.5244, 0.2994, 0.3300



77.5635, 0.3277, 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.



87.5244, 0.3296, 0.3353



87.5244, 0.2994, 0.3300



87.5244, 0.3192, 0.3207

Square

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



87.5244, 0.2994, 0.3300



87.5244, 0.3025, 0.3143



87.5244, 0.3262, 0.3278



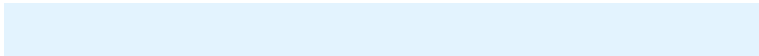
87.5244, 0.3229, 0.3440

Rectangle

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



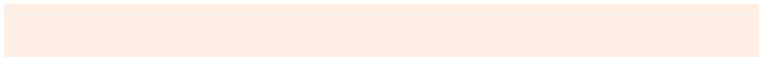
87.5244, 0.2994, 0.3300



87.5244, 0.2964, 0.3182



87.5244, 0.3262, 0.3278



87.5244, 0.3293, 0.3396

Sweetspot

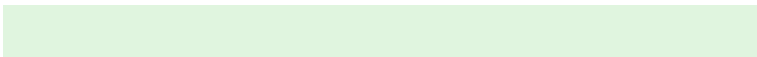
The Sweet Spot groups the original color and five complimentary colors.



87.5281, 0.2994, 0.3300



98.5552, 0.3082, 0.3293



86.4990, 0.3123, 0.3521



21.0143, 0.3070, 0.3294



0.0000, 0.0000, 0.0000



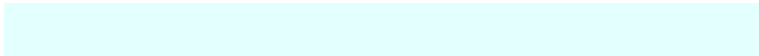
21.4041, 0.3127, 0.3290

Same Dimension

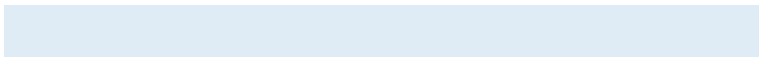
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5281, 0.2994, 0.3300



94.9799, 0.2965, 0.3302



81.7522, 0.2988, 0.3187



18.7439, 0.2987, 0.3301



38.3787, 0.2286, 0.3429



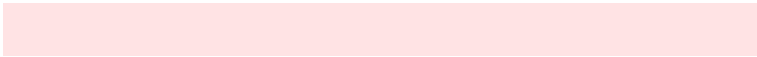
3.3771, 0.2281, 0.3410

Inverse Universe

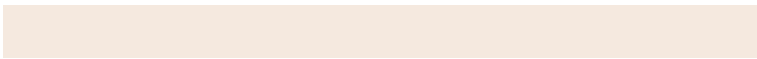
The Inverse Universe completely reimagines the original color for something new.



77.5635, 0.3277, 0.3280



81.7856, 0.3316, 0.3278



82.9605, 0.3274, 0.3391



16.4949, 0.3287, 0.3280



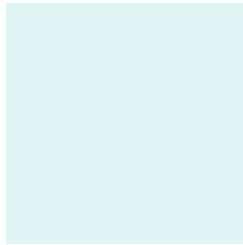
10.4767, 0.6353, 0.3273



0.9251, 0.6233, 0.3207

Previews

White Background



This preview shows how the Yxy color 87.5244, 0.2994, 0.3300 looks on a white background.

Color Contrast Check

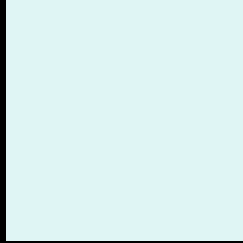
Large Text (above 18pt) WCAG AA × Fail

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 87.5244, 0.2994, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

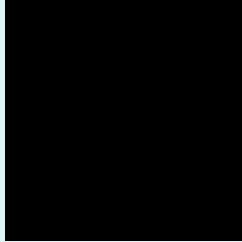
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

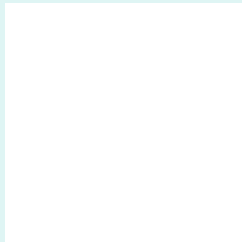
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5244, 0.2994, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 87.5244, 0.2994, 0.3300.

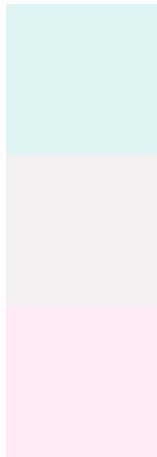


This preview shows how white text looks on a background with the Yxy color 87.5244, 0.2994, 0.3300.

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

87.5244, 0.2994, 0.3300

Protanopia

87.3170, 0.3148, 0.3270

Deuteranopia

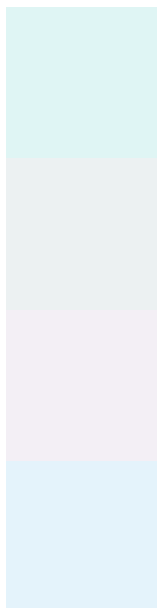
87.2692, 0.3199, 0.3193



Tritanopia

87.7132, 0.2981, 0.3159

Trichromacy



Original Color

87.5244, 0.2994, 0.3300

Protanomaly

87.1543, 0.3089, 0.3280

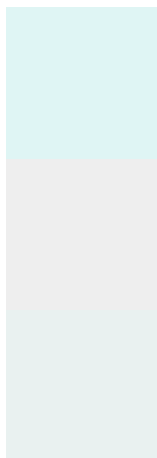
Deuteranomaly

87.3803, 0.3117, 0.3230

Tritanomaly

87.5602, 0.2985, 0.3209

Monochromacy



Original Color

87.5244, 0.2994, 0.3300

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.5255, 0.3081, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5244, 0.2994, 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, 245, 244)` looks like.

```
.text, #text, p{  
    color:rgb(223, 245, 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(223, 245, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 245, 244) }
```

Border

The CSS property to change the border of an element to Yxy 87.5244, 0.2994, 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, 245, 244) }
```

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

```
.border{ border-color:rgb(223, 245, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 245, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 245, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 245, 244);  
box-shadow:4px 4px 4px 4px rgb(223, 245,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5244, 0.2994, 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, 245, 244) }
```

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

```
.background{ background-color: rgb(223,  
245, 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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