

Converting Colors

$Yxy(86.3003, 0.2991, 0.3306)$

Have a look what the booklet for
Yxy(86.3003, 0.2991, 0.3306)
contains.

Yxy(86.4843, 0.2993, 0.3310)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.4843, 0.2993, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	DDF4F2
RGB	221, 244, 242
RGB Percent	87%, 96%, 95%
CMY	0.1333, 0.0431, 0.0509
CMYK	0.09, 0.00, 0.01, 0.04
HSL	175°, 51%, 91%
HSV	175°, 9%, 96%
XYZ	78.2017, 86.4843, 96.5959
YIQ	236.8950, -13.0660, -5.4980

Conversions

Conversions Part 2

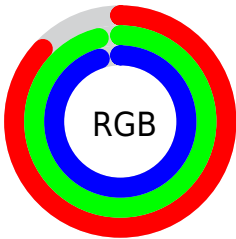
Format	Color
R _Y B	221, 233, 244
Decimal	14546162
CIE Lab	94.52, -7.85, -1.62
CIE LCh	95, 8.020, 191.687
Yxy	86.4843, 0.2993, 0.3310
Android (android.graphics.Color)	4292736242 (0xFFDDDF4F2)
YUV	236.8950, 2.5168, -13.9399
Hunter-Lab	92.9969, -12.6429, 3.5133

Details

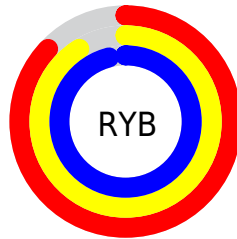
The Yxy color **86.4843, 0.2993, 0.3310** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.2790, 0.3279, 0.3270**, and the grayscale version is **84.5955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.6186, 0.2965, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **82.8068, 0.2858, 0.3333**, and if you desaturate by 10%, it is **90.7272, 0.3136, 0.3289**.

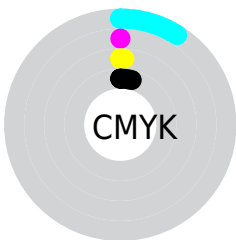
Distribution



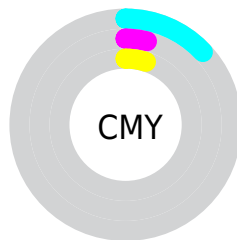
- Red (87%)
- Green (96%)
- Blue (95%)



- Red (87%)
- Yellow (91%)
- Blue (96%)



- Cyan (9%)
- Magenta (0%)
- Yellow (1%)
- Black (4%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.4843, 0.2993, 0.3310 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 86.4843, 0.2993, 0.3310 by changing the saturation by 10% instead.


 86.4843, 0.2993,
0.3310

 86.4843, 0.2993,
0.3310


516.5268, 0.3053,
0.3301

 65.0685, 0.2980,
0.3312


142.4451, 0.3013,
0.3307

 47.5166, 0.2964,
0.3314


177.7590, 0.3022,
0.3306

 33.4443, 0.2943,
0.3317


218.4743, 0.3029,
0.3305

 22.4670, 0.2918,
0.3320

264.9755, 0.3035,
0.3304

 14.2004, 0.2883,
0.3325

317.6469, 0.3040,
0.3303

 8.2602, 0.2836,
0.3331

376.8730, 0.3045,

 4.2619, 0.2765,

0.3303

0.3339

443.0382, 0.3049,
0.3302

■ 1.8211, 0.2649,
0.3352

■ 0.5003, 0.1967,
0.3468

■ 86.4843, 0.2993,
0.3310

■ 86.4843, 0.2993,
0.3310

■ 82.8068, 0.2858,
0.3333

■ 90.7272, 0.3136,
0.3289

■ 79.6597, 0.2733,
0.3358


■ 92.6286, 0.3185,
0.3269


■ 77.0212, 0.2621,
0.3385

■ 92.7581, 0.3172,
0.3249

■ 74.8633, 0.2525,
0.3413


■ 92.8891, 0.3160,
0.3229


 73.1558, 0.2446,
0.3442

 93.0215, 0.3147,
0.3209


 71.8647, 0.2388,
0.3471

 93.1554, 0.3135,
0.3189

 70.9514, 0.2348,
0.3501

 93.1816, 0.3132,
0.3185

 70.3698, 0.2328,
0.3530

 70.0480, 0.2323,
0.3559

Harmonies

Analogous

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



86.4843, 0.3068, 0.3388



86.4843, 0.2993, 0.3310



86.4843, 0.2954, 0.3228

Triad

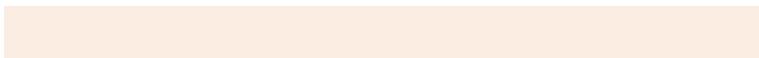
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.4843, 0.2993, 0.3310



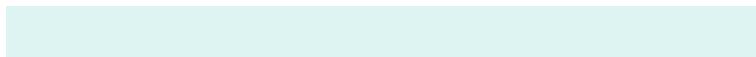
86.4843, 0.3093, 0.3147



86.4843, 0.3297, 0.3414

Complementary

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



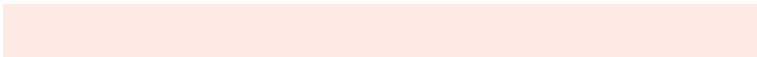
86.4843, 0.2993, 0.3310



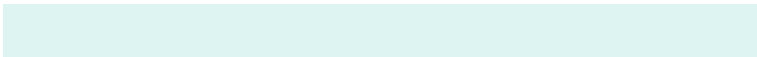
76.2790, 0.3279, 0.3270

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.



86.4843, 0.3304, 0.3348



86.4843, 0.2993, 0.3310



86.4843, 0.3185, 0.3196

Square

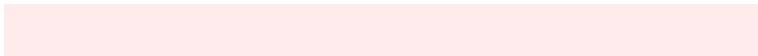
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.4843, 0.2993, 0.3310



86.4843, 0.3011, 0.3135



86.4843, 0.3263, 0.3269



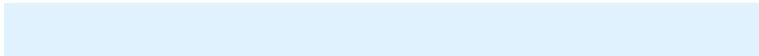
86.4843, 0.3244, 0.3448

Rectangle

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



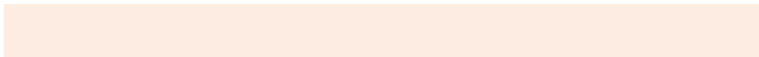
86.4843, 0.2993, 0.3310



86.4843, 0.2953, 0.3182



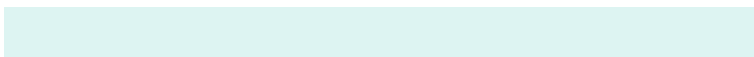
86.4843, 0.3263, 0.3269



86.4843, 0.3305, 0.3395

Sweetspot

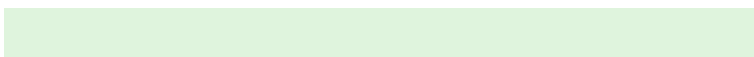
The Sweet Spot groups the original color and five complimentary colors.



86.4879, 0.2993, 0.3310



98.5356, 0.3084, 0.3296



85.6599, 0.3131, 0.3532



21.0090, 0.3072, 0.3298



0.0000, 0.0000, 0.0000



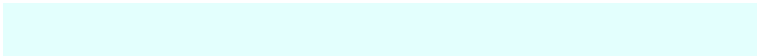
21.4041, 0.3127, 0.3290

Same Dimension

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



86.4879, 0.2993, 0.3310



94.9087, 0.2971, 0.3314



81.2105, 0.2981, 0.3194



18.7318, 0.2992, 0.3310



38.0899, 0.2321, 0.3556



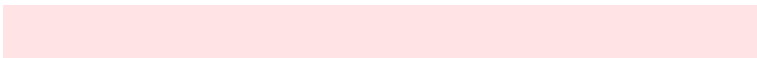
3.3548, 0.2311, 0.3519

Inverse Universe

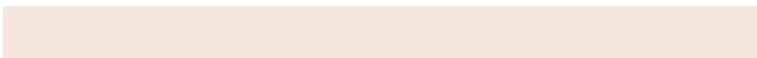
The Inverse Universe completely reimagines the original color for something new.



76.2790, 0.3279, 0.3270



81.8480, 0.3308, 0.3267



81.1631, 0.3282, 0.3384



16.5056, 0.3280, 0.3270



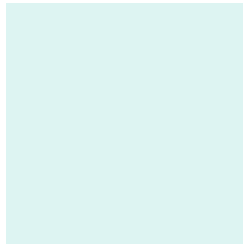
10.4952, 0.6306, 0.3248



0.9302, 0.6097, 0.3133

Previews

White Background



This preview shows how the Yxy color 86.4843, 0.2993, 0.3310 looks on a white background.

Color Contrast Check

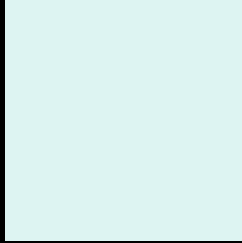
Large Text (above 18pt) WCAG AA × Fail

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 86.4843, 0.2993, 0.3310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

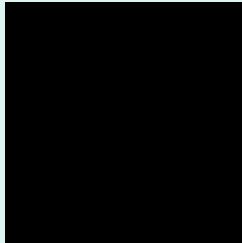
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

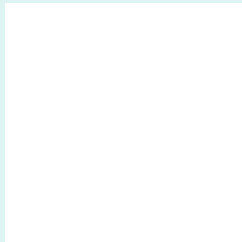
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.4843, 0.2993, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 86.4843, 0.2993, 0.3310.

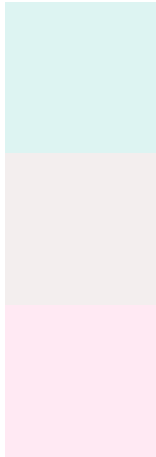


This preview shows how white text looks on a background with the Yxy color 86.4843, 0.2993, 0.3310.

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

86.4843, 0.2993, 0.3310

Protanopia

86.3768, 0.3160, 0.3290

Deuteranopia

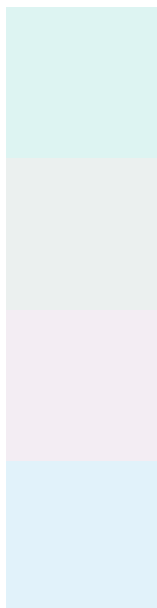
86.0089, 0.3213, 0.3193



Tritanopia

86.6246, 0.2962, 0.3148

Trichromacy



Original Color

86.4843, 0.2993, 0.3310

Protanomaly

86.2143, 0.3101, 0.3300

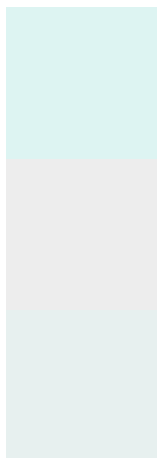
Deuteranomaly

86.0941, 0.3130, 0.3230

Tritanomaly

86.4139, 0.2972, 0.3208

Monochromacy



Original Color

86.4843, 0.2993, 0.3310

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.5411, 0.3075, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4843, 0.2993, 0.3310 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, 244, 242)` looks like.

```
.text, #text, p{  
    color:rgb(221, 244, 242)  
}
```

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, 244, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 244, 242) }
```

Border

The CSS property to change the border of an element to Yxy 86.4843, 0.2993, 0.3310 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, 244, 242) }
```

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

```
.border{ border-color:rgb(221, 244, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 244, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 244, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 244, 242);  
box-shadow:4px 4px 4px 4px rgb(221, 244,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4843, 0.2993, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 244, 242) }
```

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

```
.background{ background-color: rgb(221,  
244, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor