

Converting Colors

$Y_{xy}(87.2679, 0.2935, 0.3317)$

Have a look what the booklet for
Yxy(87.2679, 0.2935, 0.3317)
contains.

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Color

Yxy(87.3493, 0.2939, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	D6F7F4
RGB	214, 247, 244
RGB Percent	84%, 97%, 96%
CMY	0.1611, 0.0313, 0.0431
CMYK	0.13, 0.00, 0.01, 0.03
HSL	175°, 67%, 90%
HSV	175°, 13%, 97%
XYZ	77.3019, 87.3493, 98.3699
YIQ	236.7910, -18.7050, -7.9290

Conversions

Conversions Part 2

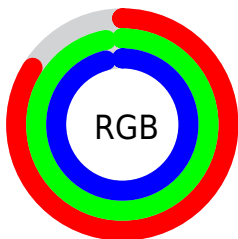
Format	Color
R _Y B	214, 231, 247
Decimal	14088180
CIE Lab	94.89, -11.24, -2.16
CIE LCh	95, 11.447, 190.881
Yxy	87.3493, 0.2939, 0.3321
Android (android.graphics.Color)	4292278260 (0xFFD6F7F4)
YUV	236.7910, 3.5540, -19.9877
Hunter-Lab	93.4608, -15.9183, 3.0184

Details

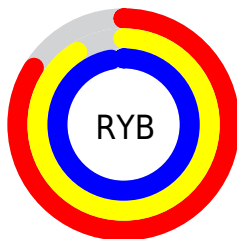
The Yxy color **87.3493, 0.2939, 0.3321** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.8360, 0.3352, 0.3259**, and the grayscale version is **84.4932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2634, 0.2898, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **83.7791, 0.2808, 0.3347**, and if you desaturate by 10%, it is **91.4920, 0.3078, 0.3298**.

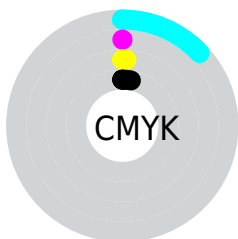
Distribution



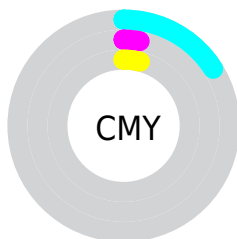
- Red (84%)
- Green (97%)
- Blue (96%)



- Red (84%)
- Yellow (91%)
- Blue (97%)



- Cyan (13%)
- Magenta (0%)
- Yellow (1%)
- Black (3%)



- Cyan (16%)
- Magenta (3%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.3493, 0.2939, 0.3321 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 87.3493, 0.2939, 0.3321 by changing the saturation by 10% instead.

87.3493, 0.2939,
0.3321

87.3493, 0.2939,
0.3321

519.3700, 0.3023,
0.3308

65.7843, 0.2921,
0.3324

143.6509, 0.2968,
0.3317

48.0973, 0.2898,
0.3327

179.1563, 0.2979,
0.3315

33.9040, 0.2870,
0.3331

220.0773, 0.2989,
0.3313

22.8198, 0.2834,
0.3337

266.7983, 0.2997,
0.3312

14.4605, 0.2787,
0.3343

319.7036, 0.3005,
0.3311

8.4417, 0.2721,
0.3352

379.1778, 0.3012,

4.3788, 0.2624,

0.3310

445.6051, 0.3018,
0.3309

0.3365

1.8877, 0.2468,
0.3383

0.5409, 0.1576,
0.3557

87.3493, 0.2939,
0.3321

87.3493, 0.2939,
0.3321

83.7791, 0.2808,
0.3347

91.4920, 0.3078,
0.3298

80.7451, 0.2688,
0.3374

94.6077, 0.3169,
0.3276

78.2238, 0.2583,
0.3403

94.7493, 0.3156,
0.3254


76.1855, 0.2494,
0.3434


94.8926, 0.3142,
0.3233


 74.5977, 0.2424,
0.3465

 95.0182, 0.3131,
0.3214

 73.4235, 0.2373,
0.3497

 72.6205, 0.2342,
0.3528

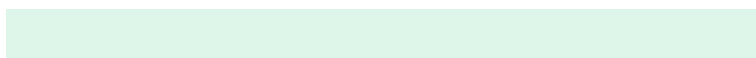
 72.1370, 0.2329,
0.3559

 71.9428, 0.2328,
0.3580

Harmonies

Analogous

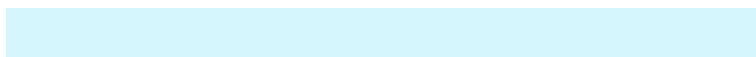
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3493, 0.3046, 0.3432



87.3493, 0.2939, 0.3321



87.3493, 0.2882, 0.3203

Triad

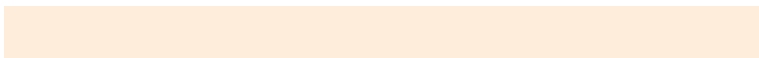
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.3493, 0.2939, 0.3321



87.3493, 0.3074, 0.3087



87.3493, 0.3370, 0.3463

Complementary

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



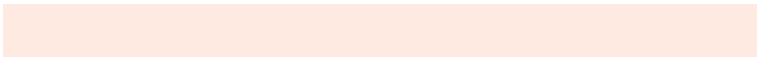
87.3493, 0.2939, 0.3321



72.8360, 0.3352, 0.3259

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.



87.3493, 0.3379, 0.3368



87.3493, 0.2939, 0.3321



87.3493, 0.3206, 0.3154

Square

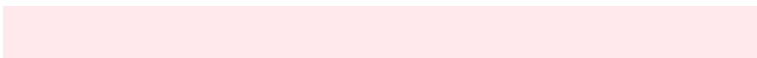
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.3493, 0.2939, 0.3321



87.3493, 0.2959, 0.3071



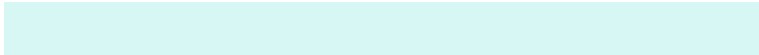
87.3493, 0.3318, 0.3256



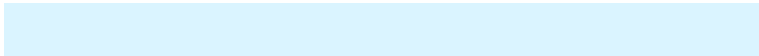
87.3493, 0.3295, 0.3514

Rectangle

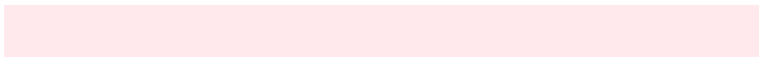
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



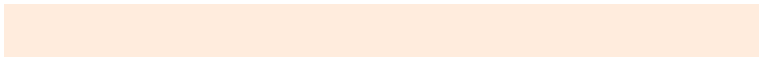
87.3493, 0.2939, 0.3321



87.3493, 0.2880, 0.3138



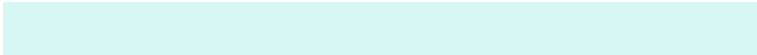
87.3493, 0.3318, 0.3256



87.3493, 0.3381, 0.3435

Sweetspot

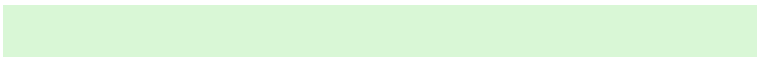
The Sweet Spot groups the original color and five complimentary colors.



87.3529, 0.2939, 0.3321



98.0565, 0.3070, 0.3299



86.1752, 0.3132, 0.3643



20.9123, 0.3059, 0.3301



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.



87.3529, 0.2939, 0.3321



92.8281, 0.2904, 0.3328



79.7221, 0.2918, 0.3150



18.7301, 0.2993, 0.3312



38.0499, 0.2326, 0.3575



3.3517, 0.2315, 0.3535

Inverse Universe

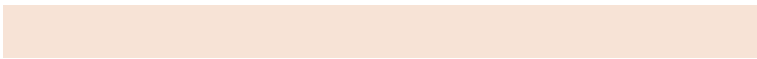
The Inverse Universe completely reimagines the original color for something new.



72.8360, 0.3352, 0.3259



74.5129, 0.3405, 0.3253



79.6554, 0.3355, 0.3426



16.5071, 0.3279, 0.3269



10.4985, 0.6298, 0.3243



0.9309, 0.6079, 0.3122

Previews

White Background



This preview shows how the Yxy color 87.3493, 0.2939, 0.3321 looks on a white background.

Color Contrast Check

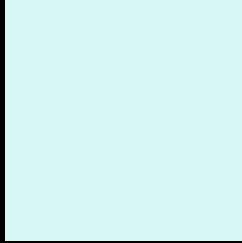
Large Text (above 18pt) WCAG AA × Fail

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 87.3493, 0.2939, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

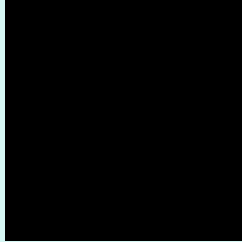
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

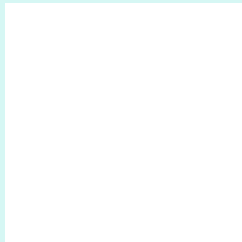
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.3493, 0.2939, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 87.3493, 0.2939, 0.3321.

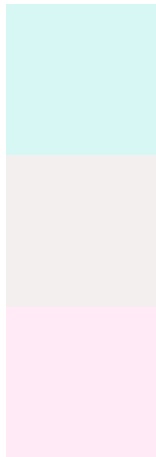


This preview shows how white text looks on a background with the Yxy color 87.3493, 0.2939, 0.3321.

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

87.3493, 0.2939, 0.3321

Protanopia

87.1981, 0.3160, 0.3290

Deuteranopia

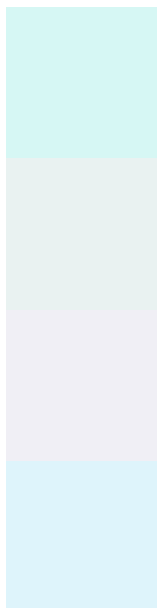
86.6982, 0.3199, 0.3183



Tritanopia

87.4899, 0.2950, 0.3168

Trichromacy



Original Color

87.3493, 0.2939, 0.3321

Protanomaly

87.1788, 0.3075, 0.3300

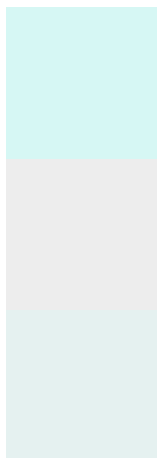
Deuteranomaly

86.8508, 0.3097, 0.3230

Tritanomaly

87.1960, 0.2948, 0.3218

Monochromacy



Original Color

87.3493, 0.2939, 0.3321

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.8599, 0.3055, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3493, 0.2939, 0.3321 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(214, 247, 244)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 247, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 247, 244) }
```

Border

The CSS property to change the border of an element to Yxy 87.3493, 0.2939, 0.3321 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(214, 247, 244) }
```

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

```
.border{ border-color:rgb(214, 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(214, 247, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 247, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 247, 244);  
box-shadow:4px 4px 4px 4px rgb(214, 247,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3493, 0.2939, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 247, 244) }
```

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

```
.background{ background-color: rgb(214,  
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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