

Converting Colors

$Yxy(86.9236, 0.2929, 0.3318)$

Have a look what the booklet for
Yxy(86.9236, 0.2929, 0.3318)
contains.

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Color

Yxy(87.0502, 0.2928, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	D4F7F4
RGB	212, 247, 244
RGB Percent	83%, 97%, 96%
CMY	0.1684, 0.0314, 0.0432
CMYK	0.14, 0.00, 0.01, 0.03
HSL	175°, 69%, 90%
HSV	175°, 14%, 97%
XYZ	76.7489, 87.0502, 98.3214
YIQ	236.1930, -19.8970, -8.3530

Conversions

Conversions Part 2

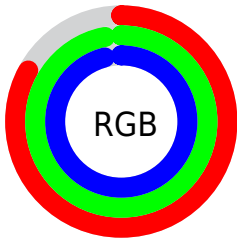
Format	Color
R _Y B	212, 230, 247
Decimal	13957108
CIE Lab	94.76, -11.81, -2.35
CIE LCh	95, 12.041, 191.242
Yxy	87.0502, 0.2928, 0.3321
Android (android.graphics.Color)	4292147188 (0xFFD4F7F4)
YUV	236.1930, 3.8489, -21.2173
Hunter-Lab	93.3007, -16.4427, 2.8300

Details

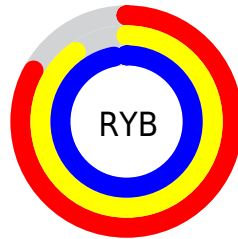
The Yxy color **87.0502, 0.2928, 0.3321** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.7980, 0.3368, 0.3259**, and the grayscale version is **84.0254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0605, 0.2883, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **83.5292, 0.2797, 0.3345**, and if you desaturate by 10%, it is **91.1415, 0.3067, 0.3299**.

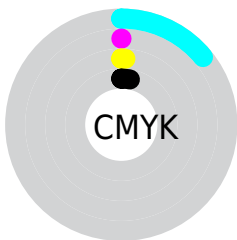
Distribution



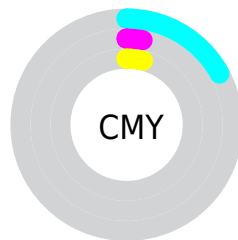
- Red (83%)
- Green (97%)
- Blue (96%)



- Red (83%)
- Yellow (90%)
- Blue (97%)



- Cyan (14%)
- Magenta (0%)
- Yellow (1%)
- Black (3%)





- Cyan (17%)
- Magenta (3%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.0502, 0.2928, 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 87.0502, 0.2928, 0.3321 by changing the saturation by 10% instead.


 87.0502, 0.2928,
0.3321

 87.0502, 0.2928,
0.3321

518.3878, 0.3017,
0.3308

 65.5368, 0.2908,
0.3324

143.2341, 0.2958,
0.3317

 47.8964, 0.2885,
0.3327


178.6734, 0.2970,
0.3315

 33.7449, 0.2855,
0.3331


219.5233, 0.2981,
0.3313

 22.6977, 0.2817,
0.3336

266.1684, 0.2990,
0.3312

 14.3704, 0.2767,
0.3343

318.9930, 0.2998,
0.3311

 8.3788, 0.2697,
0.3352

378.3815, 0.3005,

 4.3383, 0.2595,

0.3310

444.7183, 0.3011,
0.3309

0.3364

1.8645, 0.2428,
0.3380

0.5269, 0.1439,
0.3567

87.0502, 0.2928,
0.3321

87.0502, 0.2928,
0.3321

83.5292, 0.2797,
0.3345

91.1415, 0.3067,
0.3299

80.5422, 0.2678,
0.3371


94.5713, 0.3171,
0.3278

78.0654, 0.2573,
0.3399


94.7049, 0.3158,
0.3258

76.0690, 0.2486,
0.3428


94.8401, 0.3145,
0.3237


 74.5202, 0.2416,
0.3457


 94.9767, 0.3133,
0.3217

 73.3818, 0.2367,
0.3487

 94.9987, 0.3131,
0.3214

 72.6108, 0.2337,
0.3517

 72.1548, 0.2324,
0.3546

 71.9889, 0.2323,
0.3563

Harmonies

Analogous

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



87.0502, 0.3040, 0.3439



87.0502, 0.2928, 0.3321



87.0502, 0.2869, 0.3197

Triad

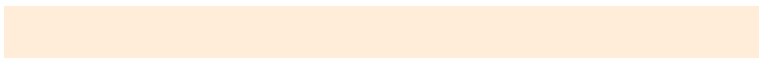
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.0502, 0.2928, 0.3321



87.0502, 0.3073, 0.3077



87.0502, 0.3382, 0.3473

Complementary

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



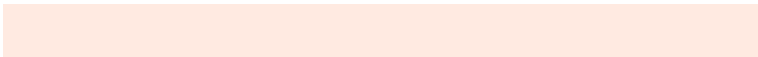
87.0502, 0.2928, 0.3321



71.7980, 0.3368, 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.



87.0502, 0.3392, 0.3374



87.0502, 0.2928, 0.3321



87.0502, 0.3212, 0.3148

Square

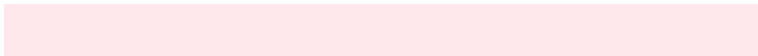
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



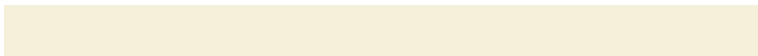
87.0502, 0.2928, 0.3321



87.0502, 0.2951, 0.3060



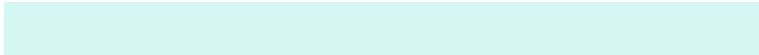
87.0502, 0.3329, 0.3255



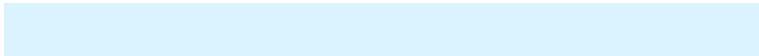
87.0502, 0.3303, 0.3527

Rectangle

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



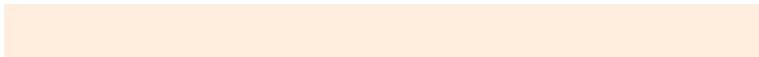
87.0502, 0.2928, 0.3321



87.0502, 0.2867, 0.3129



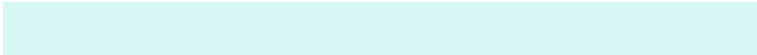
87.0502, 0.3329, 0.3255



87.0502, 0.3394, 0.3444

Sweetspot

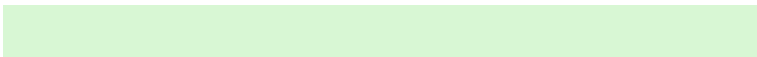
The Sweet Spot groups the original color and five complimentary colors.



87.0538, 0.2928, 0.3321



98.0598, 0.3069, 0.3298



85.8052, 0.3132, 0.3664



20.9132, 0.3059, 0.3300



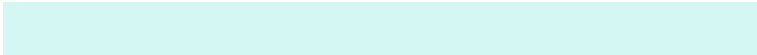
0.0000, 0.0000, 0.0000



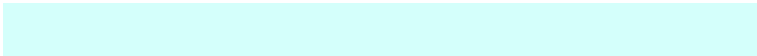
21.4041, 0.3127, 0.3290

Same Dimension

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



87.0538, 0.2928, 0.3321



92.4458, 0.2889, 0.3328



79.0090, 0.2907, 0.3142



18.7316, 0.2992, 0.3310



38.0849, 0.2322, 0.3558



3.3544, 0.2312, 0.3521

Inverse Universe

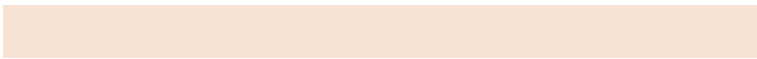
The Inverse Universe completely reimagines the original color for something new.



71.7980, 0.3368, 0.3259



73.0991, 0.3427, 0.3253



78.9391, 0.3369, 0.3434



16.5058, 0.3280, 0.3270



10.4956, 0.6305, 0.3247



0.9303, 0.6095, 0.3131

Previews

White Background



This preview shows how the Yxy color 87.0502, 0.2928, 0.3321 looks on a white background.

Color Contrast Check

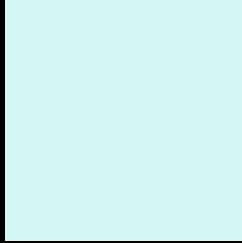
Large Text (above 18pt) WCAG AA × Fail

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 87.0502, 0.2928, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

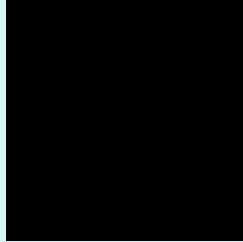
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

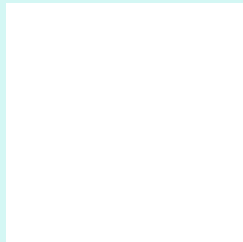
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.0502, 0.2928, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 87.0502, 0.2928, 0.3321.

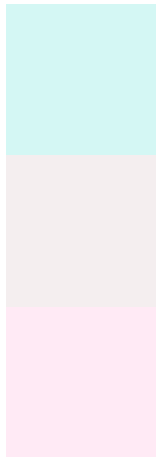


This preview shows how white text looks on a background with the Yxy color 87.0502, 0.2928, 0.3321.

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

87.0502, 0.2928, 0.3321

Protanopia

86.6142, 0.3161, 0.3280

Deuteranopia

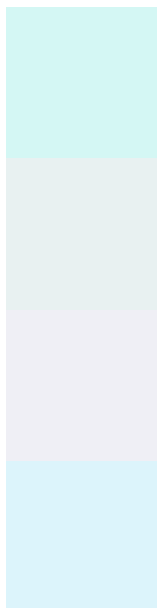
86.6982, 0.3199, 0.3183



Tritanopia

86.7318, 0.2944, 0.3158

Trichromacy



Original Color

87.0502, 0.2928, 0.3321

Protanomaly

86.4173, 0.3069, 0.3290

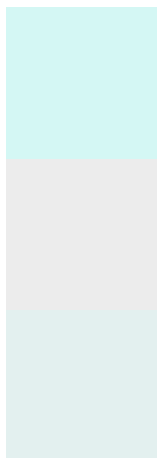
Deuteranomaly

86.6763, 0.3091, 0.3230

Tritanomaly

86.8820, 0.2936, 0.3218

Monochromacy



Original Color

87.0502, 0.2928, 0.3321

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.8831, 0.3049, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0502, 0.2928, 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(212, 247, 244)` looks like.

```
.text, #text, p{  
    color:rgb(212, 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(212, 247, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 247, 244) }
```

Border

The CSS property to change the border of an element to Yxy 87.0502, 0.2928, 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(212, 247, 244) }
```

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

```
.border{ border-color:rgb(212, 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(212, 247, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 247, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 247, 244);  
box-shadow:4px 4px 4px 4px rgb(212, 247,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0502, 0.2928, 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(212, 247, 244) }
```

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

```
.background{ background-color: rgb(212,  
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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