

Converting Colors

$Yxy(87.1343, 0.2963, 0.3321)$

Have a look what the booklet for
Yxy(87.1343, 0.2963, 0.3321)
contains.

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Color

Yxy(87.1343, 0.2963, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	D9F6F3
RGB	217, 246, 243
RGB Percent	85%, 96%, 95%
CMY	0.1491, 0.0352, 0.0471
CMYK	0.12, 0.00, 0.01, 0.04
HSL	174°, 62%, 91%
HSV	174°, 12%, 96%
XYZ	77.7413, 87.1343, 97.4981
YIQ	236.9870, -16.3210, -7.0810

Conversions

Conversions Part 2

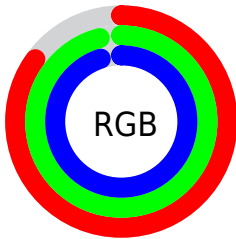
Format	Color
R _Y B	217, 232, 246
Decimal	14284531
CIE Lab	94.80, -9.97, -1.74
CIE LCh	95, 10.117, 189.931
Yxy	87.1343, 0.2963, 0.3321
Android (android.graphics.Color)	4292474611 (0xFFD9F6F3)
YUV	236.9870, 2.9644, -17.5286
Hunter-Lab	93.3458, -14.6946, 3.4146

Details

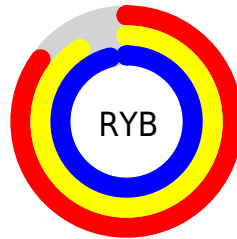
The Yxy color **87.1343, 0.2963, 0.3321** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.3788, 0.3319, 0.3259**, and the grayscale version is **84.6627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0961, 0.2927, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **83.4911, 0.2832, 0.3350**, and if you desaturate by 10%, it is **91.3489, 0.3102, 0.3295**.

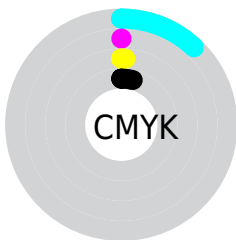
Distribution



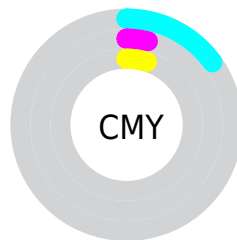
- Red (85%)
- Green (96%)
- Blue (95%)



- Red (85%)
- Yellow (91%)
- Blue (96%)



- Cyan (12%)
- Magenta (0%)
- Yellow (1%)
- Black (4%)





- Cyan (15%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1343, 0.2963, 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 87.1343, 0.2963, 0.3321 by changing the saturation by 10% instead.

 87.1343, 0.2963,
0.3321

 87.1343, 0.2963,
0.3321


518.6641, 0.3036,
0.3308

 65.6064, 0.2947,
0.3324

143.3513, 0.2988,
0.3316

 47.9529, 0.2927,
0.3327


178.8092, 0.2998,
0.3315

 33.7896, 0.2903,
0.3332


219.6791, 0.3006,
0.3313

 22.7320, 0.2871,
0.3337

266.3456, 0.3014,
0.3312

 14.3958, 0.2830,
0.3344

319.1929, 0.3020,
0.3311

 8.3964, 0.2772,
0.3354

378.6055, 0.3026,

 4.3496, 0.2687,

0.3309

444.9677, 0.3032,
0.3308

0.3367

1.8710, 0.2548,
0.3388

0.5309, 0.1751,
0.3558

87.1343, 0.2963,
0.3321

87.1343, 0.2963,
0.3321

83.4911, 0.2832,
0.3350

91.3489, 0.3102,
0.3295

80.3835, 0.2712,
0.3381

93.9641, 0.3172,
0.3270

77.7886, 0.2605,
0.3414

94.1248, 0.3157,
0.3245

75.6774, 0.2515,
0.3449

94.2878, 0.3142,
0.3221

■ 74.0182, 0.2442,
0.3485

■ 94.3994, 0.3131,
0.3204

■ 72.7753, 0.2389,
0.3521

■ 71.9078, 0.2356,
0.3558

■ 71.3664, 0.2341,
0.3594

■ 71.1033, 0.2340,
0.3623

Harmonies

Analogous

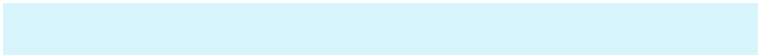
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1343, 0.3059, 0.3418



87.1343, 0.2963, 0.3321



87.1343, 0.2911, 0.3217

Triad

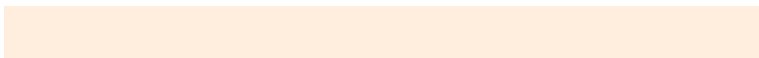
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1343, 0.2963, 0.3321



87.1343, 0.3077, 0.3109



87.1343, 0.3343, 0.3442

Complementary

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



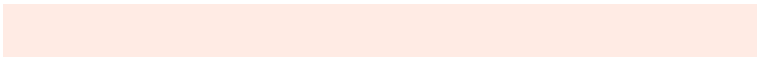
87.1343, 0.2963, 0.3321



74.3788, 0.3319, 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.



87.1343, 0.3349, 0.3357



87.1343, 0.2963, 0.3321



87.1343, 0.3193, 0.3167

Square

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



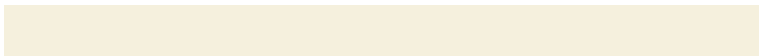
87.1343, 0.2963, 0.3321



87.1343, 0.2976, 0.3097



87.1343, 0.3293, 0.3257



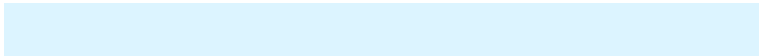
87.1343, 0.3279, 0.3488

Rectangle

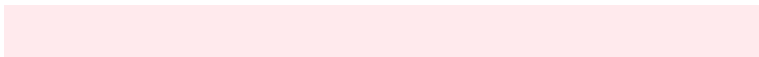
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



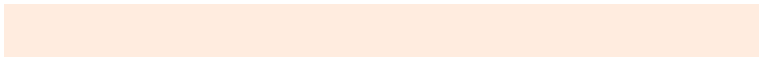
87.1343, 0.2963, 0.3321



87.1343, 0.2907, 0.3159



87.1343, 0.3293, 0.3257



87.1343, 0.3352, 0.3417

Sweetspot

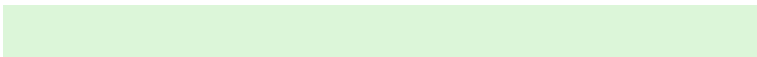
The Sweet Spot groups the original color and five complimentary colors.



87.1379, 0.2963, 0.3321



98.0481, 0.3071, 0.3300



86.2012, 0.3134, 0.3597



20.9102, 0.3060, 0.3302



0.0000, 0.0000, 0.0000



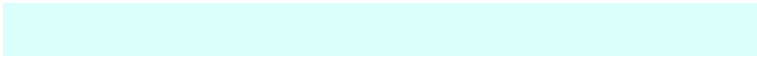
21.4041, 0.3127, 0.3290

Same Dimension

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



87.1379, 0.2963, 0.3321



93.6088, 0.2933, 0.3327



80.7535, 0.2944, 0.3173



18.7262, 0.2995, 0.3315



37.9601, 0.2338, 0.3617



3.3447, 0.2326, 0.3572

Inverse Universe

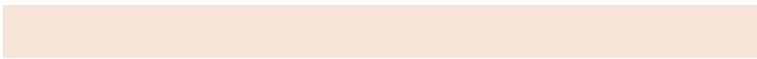
The Inverse Universe completely reimagines the original color for something new.



74.3788, 0.3319, 0.3259



77.4090, 0.3361, 0.3253



80.1510, 0.3326, 0.3404



16.5106, 0.3277, 0.3266



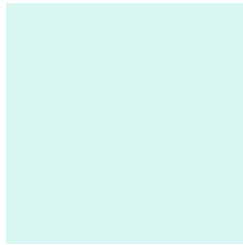
10.5065, 0.6279, 0.3232



0.9326, 0.6036, 0.3099

Previews

White Background



This preview shows how the Yxy color 87.1343, 0.2963, 0.3321 looks on a white background.

Color Contrast Check

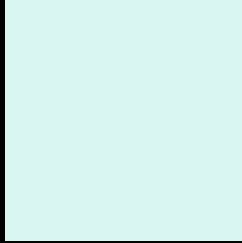
Large Text (above 18pt) WCAG AA × Fail

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 87.1343, 0.2963, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

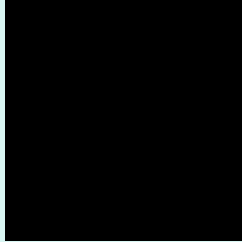
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

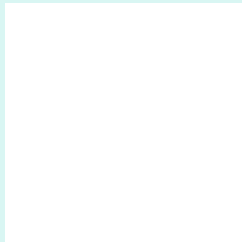
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1343, 0.2963, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 87.1343, 0.2963, 0.3321.

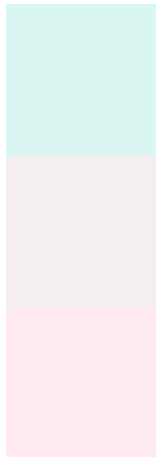


This preview shows how white text looks on a background with the Yxy color 87.1343, 0.2963, 0.3321.

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

87.1343, 0.2963, 0.3321

Protanopia

86.6142, 0.3161, 0.3280

Deuteranopia

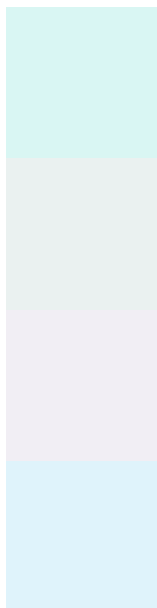
86.6373, 0.3206, 0.3193



Tritanopia

87.0552, 0.2956, 0.3158

Trichromacy



Original Color

87.1343, 0.2963, 0.3321

Protanomaly

86.6943, 0.3088, 0.3300

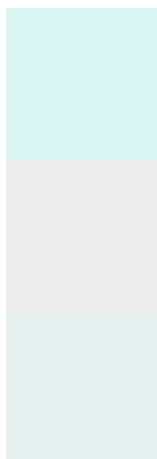
Deuteranomaly

86.3815, 0.3110, 0.3230

Tritanomaly

86.7542, 0.2954, 0.3208

Monochromacy



Original Color

87.1343, 0.2963, 0.3321

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.3752, 0.3068, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1343, 0.2963, 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(217, 246, 243)` looks like.

```
.text, #text, p{  
    color:rgb(217, 246, 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(217, 246, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 246, 243) }
```

Border

The CSS property to change the border of an element to Yxy 87.1343, 0.2963, 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(217, 246, 243) }
```

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

```
.border{ border-color:rgb(217, 246, 243) }
```

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

Here you see how a box with a 4 pixel rgb(217, 246, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 246, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 246, 243);  
box-shadow:4px 4px 4px 4px rgb(217, 246,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1343, 0.2963, 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(217, 246, 243) }
```

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

```
.background{ background-color: rgb(217,  
246, 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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