

Converting Colors

Yxy(86.9711, 0.2967, 0.3400)

Have a look what the booklet for
Yxy(86.9711, 0.2967, 0.3400)
contains.

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Color

Yxy(87.2463, 0.2967, 0.3405)

Conversions

Conversions Part 1

Format	Color
Hex	D4F8ED
RGB	212, 248, 237
RGB Percent	83%, 97%, 93%
CMY	0.1683, 0.0275, 0.0705
CMYK	0.14, 0.00, 0.04, 0.03
HSL	162°, 72%, 90%
HSV	162°, 14%, 97%
XYZ	76.0234, 87.2463, 92.9602
YIQ	235.9820, -17.9250, -11.0530

Conversions

Conversions Part 2

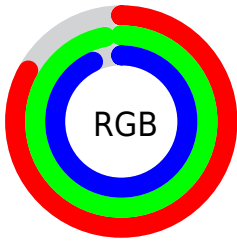
Format	Color
R _Y B	212, 233, 248
Decimal	13957357
CIE Lab	94.84, -13.64, 1.38
CIE LCh	95, 13.709, 174.243
Yxy	87.2463, 0.2967, 0.3405
Android (android.graphics.Color)	4292147437 (0xFFD4F8ED)
YUV	235.9820, 0.5019, -21.0322
Hunter-Lab	93.4057, -18.1779, 6.3768

Details

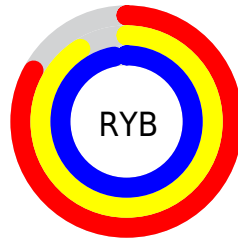
The Yxy color **87.2463, 0.2967, 0.3405** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.4138, 0.3318, 0.3178**, and the grayscale version is **83.8858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2036, 0.2932, 0.3439** is the 20% darker color. If you saturate the color by 10%, you get **83.4074, 0.2863, 0.3495**, and if you desaturate by 10%, it is **91.6773, 0.3077, 0.3324**.

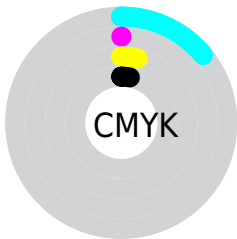
Distribution



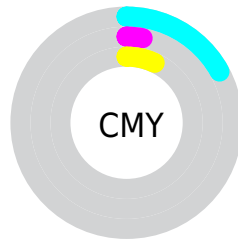
- Red (83%)
- Green (97%)
- Blue (93%)



- Red (83%)
- Yellow (91%)
- Blue (97%)



- Cyan (14%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)




- Cyan (17%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2463, 0.2967, 0.3405 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 87.2463, 0.2967, 0.3405 by changing the saturation by 10% instead.


 87.2463, 0.2967,
0.3405

 87.2463, 0.2967,
0.3405


519.0319, 0.3039,
0.3353

 65.6991, 0.2951,
0.3417

143.5074, 0.2992,
0.3387

 48.0281, 0.2932,
0.3431


178.9900, 0.3001,
0.3380

 33.8492, 0.2907,
0.3448


219.8866, 0.3010,
0.3374

 22.7778, 0.2876,
0.3471

266.5814, 0.3017,
0.3369

 14.4295, 0.2835,
0.3501

319.4590, 0.3023,
0.3364

 8.4200, 0.2777,
0.3543

378.9037, 0.3029,

 4.3648, 0.2692,

0.3360

0.3607

445.2998, 0.3034,
0.3357

■ 1.8797, 0.2550,
0.3713

■ 0.5361, 0.1471,
0.4467

■ 87.2463, 0.2967,
0.3405

■ 87.2463, 0.2967,
0.3405

■ 83.4074, 0.2863,
0.3495

■ 91.6773, 0.3077,
0.3324


■ 80.1237, 0.2767,
0.3592


■ 95.4245, 0.3147,
0.3250

■ 77.3708, 0.2683,
0.3697

■ 95.6054, 0.3130,
0.3223


■ 75.1184, 0.2614,
0.3807

 73.3329, 0.2563,
0.3922

 71.9765, 0.2531,
0.4040

 71.0052, 0.2519,
0.4158

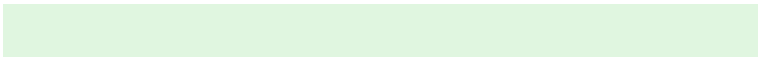
 70.3652, 0.2528,
0.4274

 70.1106, 0.2538,
0.4338

Harmonies

Analogous

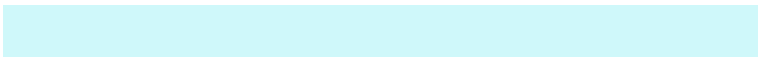
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2463, 0.3115, 0.3517



87.2463, 0.2967, 0.3405



87.2463, 0.2863, 0.3262

Triad

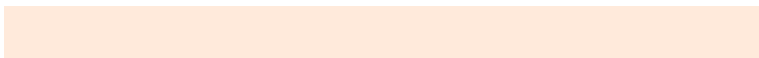
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2463, 0.2967, 0.3405



87.2463, 0.2982, 0.3029



87.2463, 0.3435, 0.3438

Complementary

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



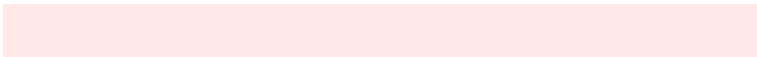
87.2463, 0.2967, 0.3405



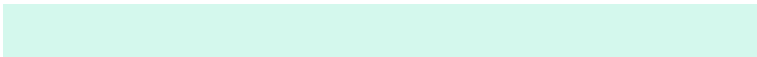
72.4138, 0.3318, 0.3178

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.



87.2463, 0.3398, 0.3309



87.2463, 0.2967, 0.3405



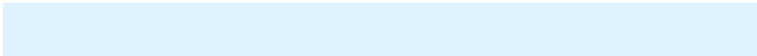
87.2463, 0.3134, 0.3077

Square

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



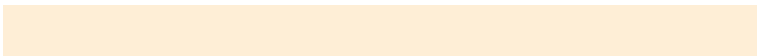
87.2463, 0.2967, 0.3405



87.2463, 0.2872, 0.3048



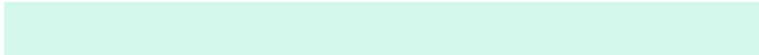
87.2463, 0.3287, 0.3178



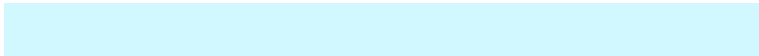
87.2463, 0.3387, 0.3533

Rectangle

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



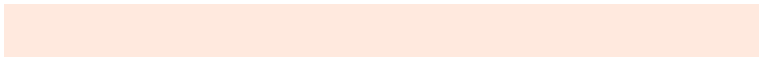
87.2463, 0.2967, 0.3405



87.2463, 0.2832, 0.3171



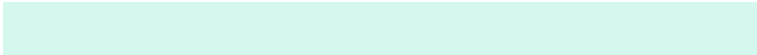
87.2463, 0.3287, 0.3178



87.2463, 0.3432, 0.3397

Sweetspot

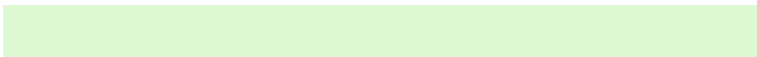
The Sweet Spot groups the original color and five complimentary colors.



87.2500, 0.2967, 0.3405



97.9173, 0.3082, 0.3320



87.6431, 0.3182, 0.3668



20.8770, 0.3074, 0.3326



0.0000, 0.0000, 0.0000



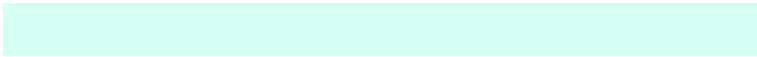
21.4041, 0.3127, 0.3290

Same Dimension

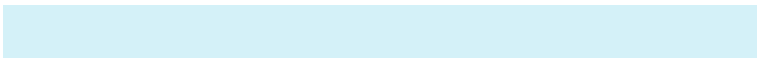
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2500, 0.2967, 0.3405



91.8607, 0.2940, 0.3427



83.9354, 0.2904, 0.3220



19.5129, 0.3021, 0.3364



37.9053, 0.2533, 0.4319



3.5296, 0.2495, 0.4181

Inverse Universe

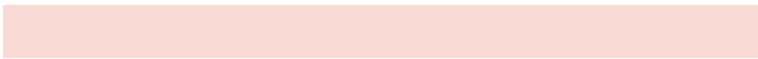
The Inverse Universe completely reimagines the original color for something new.



72.4138, 0.3318, 0.3178



73.6031, 0.3358, 0.3157



75.2004, 0.3387, 0.3359



17.3126, 0.3246, 0.3218



11.0828, 0.5746, 0.2939



1.0445, 0.5410, 0.2754

Previews

White Background



This preview shows how the Yxy color 87.2463, 0.2967, 0.3405 looks on a white background.

Color Contrast Check

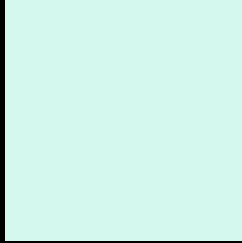
Large Text (above 18pt) WCAG AA × Fail

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 87.2463, 0.2967, 0.3405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

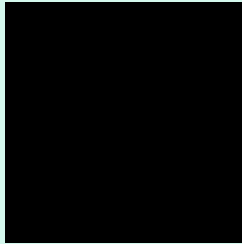
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

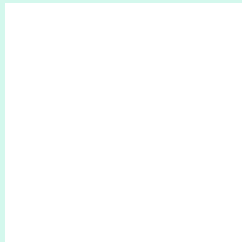
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2463, 0.2967, 0.3405

Background



This preview shows how black text looks on a background with the Yxy color 87.2463, 0.2967, 0.3405.

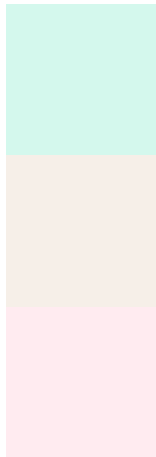


This preview shows how white text looks on a background with the Yxy color 87.2463, 0.2967, 0.3405.

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

87.2463, 0.2967, 0.3405

Protanopia

87.1520, 0.3217, 0.3360

Deuteranopia

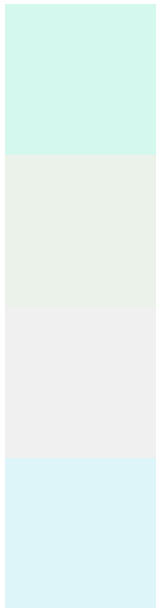
86.9679, 0.3231, 0.3241



Tritanopia

86.8930, 0.2950, 0.3158

Trichromacy



Original Color

87.2463, 0.2967, 0.3405

Protanomaly

86.9372, 0.3123, 0.3372

Deuteranomaly

86.9029, 0.3127, 0.3300

Tritanomaly

86.8508, 0.2959, 0.3248

Monochromacy



Original Color

87.2463, 0.2967, 0.3405

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.7072, 0.3067, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2463, 0.2967, 0.3405 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, 248, 237)` looks like.

```
.text, #text, p{  
    color:rgb(212, 248, 237)  
}
```

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, 248, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 248, 237) }
```

Border

The CSS property to change the border of an element to Yxy 87.2463, 0.2967, 0.3405 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, 248, 237) }
```

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

```
.border{ border-color:rgb(212, 248, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 248, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 248, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 248, 237);  
box-shadow:4px 4px 4px 4px rgb(212, 248,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2463, 0.2967, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 248, 237) }
```

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

```
.background{ background-color: rgb(212,  
248, 237) }
```

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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