

Converting Colors

Yxy(87.5789, 0.3013, 0.3420)

Have a look what the booklet for
Yxy(87.5789, 0.3013, 0.3420)
contains.

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Color

Yxy(87.4251, 0.3014, 0.3415)

Conversions

Conversions Part 1

Format	Color
Hex	DAF7EB
RGB	218, 247, 235
RGB Percent	85%, 97%, 92%
CMY	0.1453, 0.0313, 0.0784
CMYK	0.12, 0.00, 0.05, 0.03
HSL	155°, 65%, 91%
HSV	155°, 12%, 97%
XYZ	77.1594, 87.4251, 91.4188
YIQ	236.9610, -13.4320, -9.8800

Conversions

Conversions Part 2

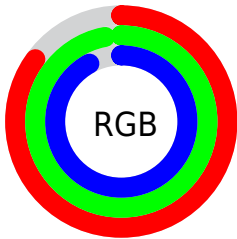
Format	Color
R _Y B	218, 236, 247
Decimal	14350315
CIE Lab	94.92, -11.67, 2.56
CIE LCh	95, 11.944, 167.622
Yxy	87.4251, 0.3014, 0.3415
Android (android.graphics.Color)	4292540395 (0xFFDAF7EB)
YUV	236.9610, -0.9668, -16.6288
Hunter-Lab	93.5014, -16.3254, 7.4816

Details

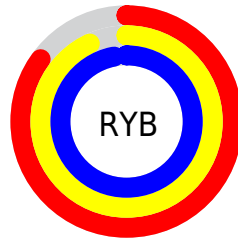
The Yxy color **87.4251, 0.3014, 0.3415** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.6025, 0.3256, 0.3168**, and the grayscale version is **84.6683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3028, 0.2992, 0.3452** is the 20% darker color. If you saturate the color by 10%, you get **83.3287, 0.2922, 0.3534**, and if you desaturate by 10%, it is **92.1302, 0.3110, 0.3308**.

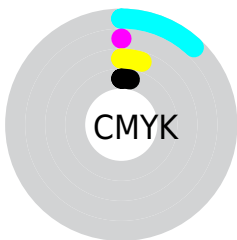
Distribution



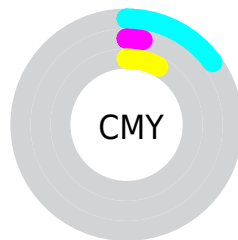
- Red (85%)
- Green (97%)
- Blue (92%)



- Red (85%)
- Yellow (93%)
- Blue (97%)



- Cyan (12%)
- Magenta (0%)
- Yellow (5%)
- Black (3%)



- Cyan (15%)
- Magenta (3%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4251, 0.3014, 0.3415 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 87.4251, 0.3014, 0.3415 by changing the saturation by 10% instead.

87.4251, 0.3014,
0.3415

87.4251, 0.3014,
0.3415

519.6187, 0.3065,
0.3359

65.8471, 0.3003,
0.3428

143.7565, 0.3031,
0.3396

48.1483, 0.2989,
0.3443

179.2787, 0.3038,
0.3388

33.9443, 0.2972,
0.3462

220.2176, 0.3044,
0.3382

22.8508, 0.2949,
0.3487

266.9578, 0.3049,
0.3376

14.4834, 0.2920,
0.3521

319.8837, 0.3054,
0.3371

8.4576, 0.2878,
0.3567

379.3795, 0.3058,

4.3891, 0.2816,

0.3366

0.3638

445.8297, 0.3062,
0.3362

■ 1.8935, 0.2713,
0.3757

■ 0.5445, 0.1954,
0.4571

■ 87.4251, 0.3014,
0.3415

■ 87.4251, 0.3014,
0.3415

■ 83.3287, 0.2922,
0.3534

■ 92.1302, 0.3110,
0.3308

■ 79.8042, 0.2836,
0.3665

■ 95.0123, 0.3131,
0.3214

■ 76.8279, 0.2760,
0.3807

■ 74.3700, 0.2696,
0.3958

■ 72.3978, 0.2649,
0.4116

■ 70.8748, 0.2620,
0.4279

■ 69.7589, 0.2612,
0.4442

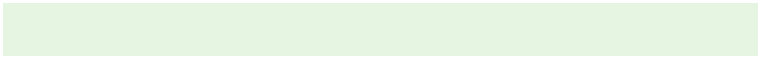
■ 68.9997, 0.2625,
0.4602

■ 68.5788, 0.2647,
0.4730

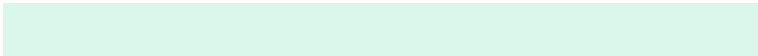
Harmonies

Analogous

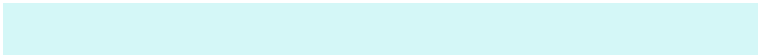
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4251, 0.3147, 0.3502



87.4251, 0.3014, 0.3415



87.4251, 0.2912, 0.3294

Triad

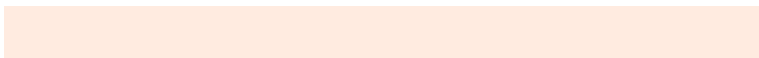
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4251, 0.3014, 0.3415



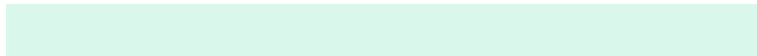
87.4251, 0.2976, 0.3061



87.4251, 0.3394, 0.3396

Complementary

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



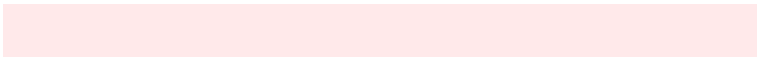
87.4251, 0.3014, 0.3415



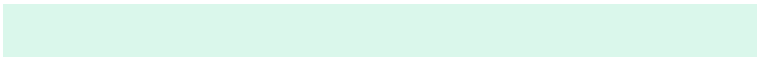
75.6025, 0.3256, 0.3168

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.



87.4251, 0.3346, 0.3281



87.4251, 0.3014, 0.3415



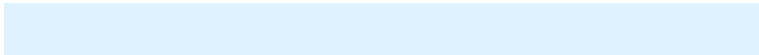
87.4251, 0.3103, 0.3090

Square

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



87.4251, 0.3014, 0.3415



87.4251, 0.2890, 0.3090



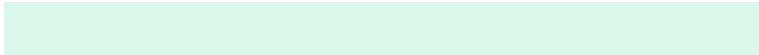
87.4251, 0.3239, 0.3170



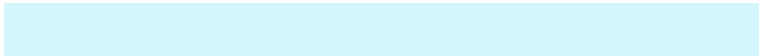
87.4251, 0.3368, 0.3488

Rectangle

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



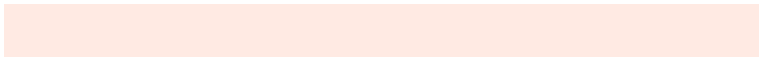
87.4251, 0.3014, 0.3415



87.4251, 0.2875, 0.3212



87.4251, 0.3239, 0.3170



87.4251, 0.3386, 0.3359

Sweetspot

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



87.4288, 0.3014, 0.3415



97.8483, 0.3088, 0.3331



88.4243, 0.3191, 0.3591



20.8595, 0.3081, 0.3339



0.0000, 0.0000, 0.0000



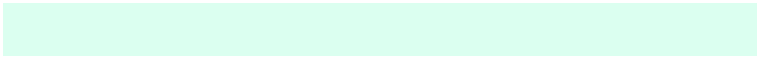
21.4041, 0.3127, 0.3290

Same Dimension

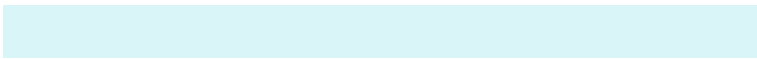
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4288, 0.3014, 0.3415



92.9337, 0.2993, 0.3441



86.6737, 0.2946, 0.3264



18.6353, 0.3036, 0.3389



36.2922, 0.2640, 0.4704



3.2101, 0.2586, 0.4508

Inverse Universe

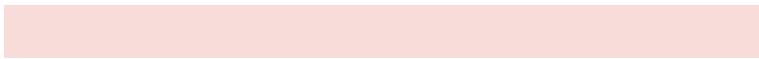
The Inverse Universe completely reimagines the original color for something new.



75.6025, 0.3256, 0.3168



78.0222, 0.3284, 0.3144



76.2169, 0.3337, 0.3315



16.5959, 0.3229, 0.3193



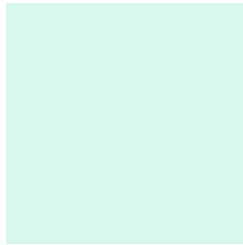
10.9913, 0.5327, 0.2708



0.9860, 0.5001, 0.2529

Previews

White Background



This preview shows how the Yxy color 87.4251, 0.3014, 0.3415 looks on a white background.

Color Contrast Check

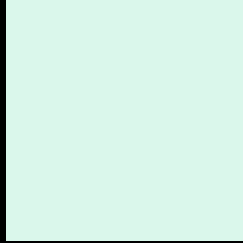
Large Text (above 18pt) WCAG AA × Fail

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 87.4251, 0.3014, 0.3415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

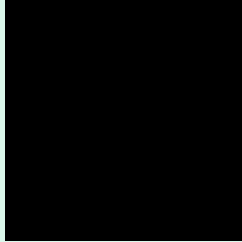
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

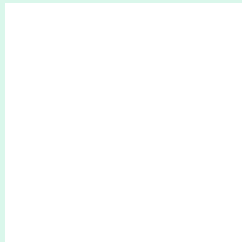
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.4251, 0.3014, 0.3415

Background



This preview shows how black text looks on a background with the Yxy color 87.4251, 0.3014, 0.3415.

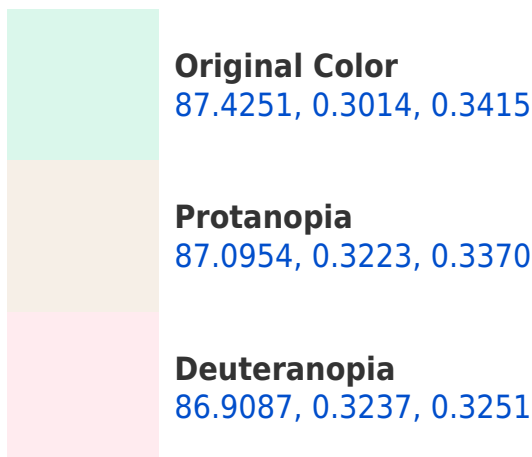


This preview shows how white text looks on a background with the Yxy color 87.4251, 0.3014, 0.3415.

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

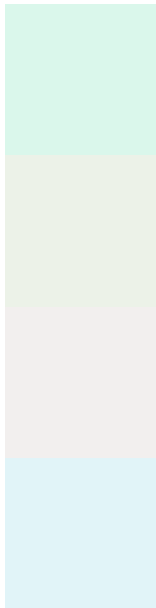




Tritanopia

87.3823, 0.2968, 0.3159

Trichromacy



Original Color

87.4251, 0.3014, 0.3415

Protanomaly

87.1633, 0.3149, 0.3392

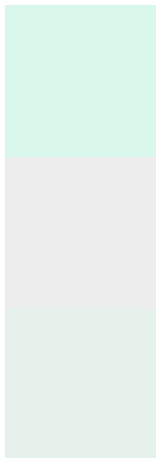
Deuteranomaly

86.7833, 0.3153, 0.3300

Tritanomaly

87.4862, 0.2984, 0.3249

Monochromacy



Original Color

87.4251, 0.3014, 0.3415

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.7897, 0.3086, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4251, 0.3014, 0.3415 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(218, 247, 235)` looks like.

```
.text, #text, p{  
    color:rgb(218, 247, 235)  
}
```

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(218, 247, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 247, 235) }
```

Border

The CSS property to change the border of an element to Yxy 87.4251, 0.3014, 0.3415 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(218, 247, 235) }
```

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

```
.border{ border-color:rgb(218, 247, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 247, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 247, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 247, 235);  
box-shadow:4px 4px 4px 4px rgb(218, 247,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4251, 0.3014, 0.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 247, 235) }
```

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

```
.background{ background-color: rgb(218,  
247, 235) }
```

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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