

Converting Colors

$Yxy(87.0236, 0.3040, 0.3397)$

Have a look what the booklet for
Yxy(87.0236, 0.3040, 0.3397)
contains.

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Color

Yxy(86.8326, 0.3040, 0.3394)

Conversions

Conversions Part 1

Format	Color
Hex	DEF5EB
RGB	222, 245, 235
RGB Percent	87%, 96%, 92%
CMY	0.1293, 0.0392, 0.0786
CMYK	0.09, 0.00, 0.04, 0.04
HSL	154°, 53%, 92%
HSV	154°, 9%, 96%
XYZ	77.7758, 86.8326, 91.2331
YIQ	236.9830, -10.4980, -7.9860

Conversions

Conversions Part 2

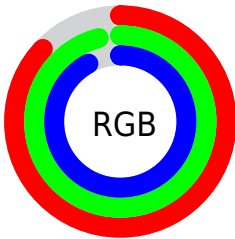
Format	Color
R _Y B	222, 237, 245
Decimal	14611947
CIE Lab	94.67, -9.34, 2.26
CIE LCh	95, 9.613, 166.432
Yxy	86.8326, 0.3040, 0.3394
Android (android.graphics.Color)	4292802027 (0xFFDEF5EB)
YUV	236.9830, -0.9776, -13.1401
Hunter-Lab	93.1840, -14.0874, 7.1801

Details

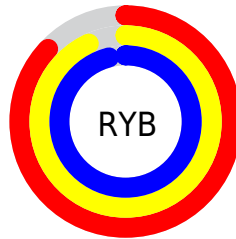
The Yxy color **86.8326, 0.3040, 0.3394** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.5039, 0.3224, 0.3188**, and the grayscale version is **84.6931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8654, 0.3024, 0.3424** is the 20% darker color. If you saturate the color by 10%, you get **82.6438, 0.2950, 0.3517**, and if you desaturate by 10%, it is **91.6282, 0.3133, 0.3283**.

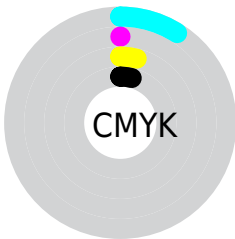
Distribution



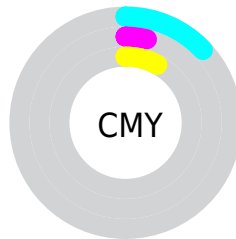
- Red (87%)
- Green (96%)
- Blue (92%)



- Red (87%)
- Yellow (93%)
- Blue (96%)



- Cyan (9%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)





- Cyan (13%)
- Magenta (4%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8326, 0.3040, 0.3394 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 86.8326, 0.3040, 0.3394 by changing the saturation by 10% instead.

 86.8326, 0.3040,
0.3394

 86.8326, 0.3040,
0.3394

517.6726, 0.3079,
0.3347

 65.3567, 0.3031,
0.3404


142.9308, 0.3053,
0.3378

 47.7504, 0.3021,
0.3417


178.3219, 0.3059,
0.3372

 33.6292, 0.3007,
0.3433


219.1201, 0.3063,
0.3366

 22.6089, 0.2990,
0.3454

265.7099, 0.3067,
0.3361

 14.3050, 0.2967,
0.3482

318.4756, 0.3071,
0.3357

 8.3331, 0.2935,
0.3521

377.8018, 0.3074,

 4.3088, 0.2887,

0.3353

0.3580

444.0726, 0.3077,
0.3350

■ 1.8478, 0.2806,
0.3679

■ 0.5167, 0.2220,
0.4362

■ 86.8326, 0.3040,
0.3394

■ 86.8326, 0.3040,
0.3394

■ 82.6438, 0.2950,
0.3517

■ 91.6282, 0.3133,
0.3283

■ 79.0258, 0.2865,
0.3653

■ 93.7848, 0.3132,
0.3194

■ 75.9559, 0.2789,
0.3801

■ 73.4053, 0.2724,
0.3960

■ 71.3426, 0.2675,
0.4127

■ 69.7330, 0.2644,
0.4299

■ 68.5364, 0.2632,
0.4472

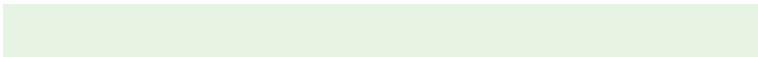
■ 67.7059, 0.2642,
0.4642

■ 67.1684, 0.2669,
0.4806

Harmonies

Analogous

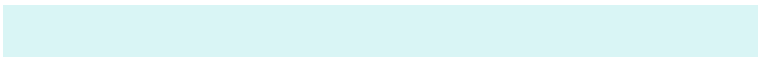
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8326, 0.3148, 0.3462



86.8326, 0.3040, 0.3394



86.8326, 0.2956, 0.3298

Triad

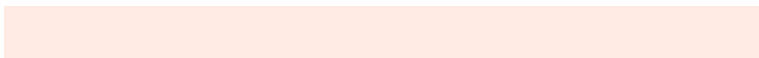
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8326, 0.3040, 0.3394



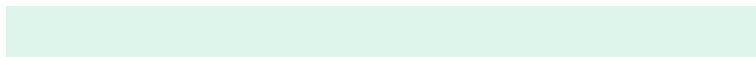
86.8326, 0.3001, 0.3104



86.8326, 0.3342, 0.3373

Complementary

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



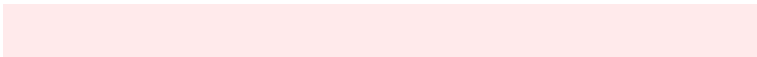
86.8326, 0.3040, 0.3394



77.5039, 0.3224, 0.3188

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.



86.8326, 0.3301, 0.3279



86.8326, 0.3040, 0.3394



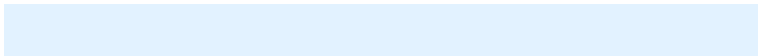
86.8326, 0.3103, 0.3126

Square

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



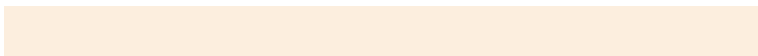
86.8326, 0.3040, 0.3394



86.8326, 0.2934, 0.3131



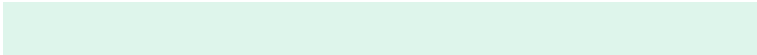
86.8326, 0.3213, 0.3189



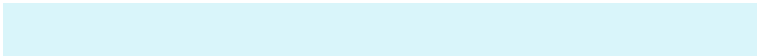
86.8326, 0.3324, 0.3448

Rectangle

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



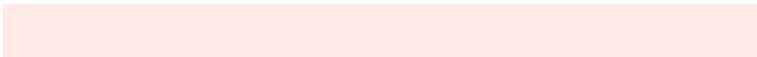
86.8326, 0.3040, 0.3394



86.8326, 0.2924, 0.3232



86.8326, 0.3213, 0.3189



86.8326, 0.3334, 0.3343

Sweetspot

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



86.8363, 0.3040, 0.3394



98.3645, 0.3099, 0.3322



87.7983, 0.3183, 0.3527



20.9627, 0.3092, 0.3331



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

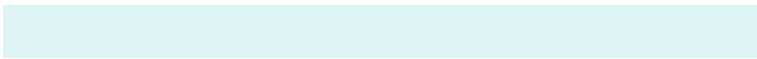
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8363, 0.3040, 0.3394



94.2985, 0.3025, 0.3414



86.7399, 0.2982, 0.3278



18.6284, 0.3039, 0.3395



36.1976, 0.2664, 0.4790



3.2020, 0.2607, 0.4583

Inverse Universe

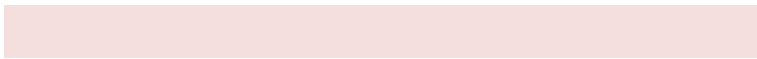
The Inverse Universe completely reimagines the original color for something new.



77.5039, 0.3224, 0.3188



82.4148, 0.3242, 0.3170



77.5618, 0.3290, 0.3302



16.6028, 0.3225, 0.3187



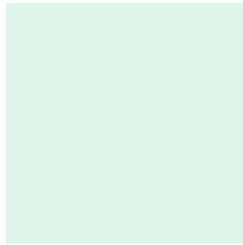
11.0567, 0.5227, 0.2653



0.9920, 0.4913, 0.2480

Previews

White Background



This preview shows how the Yxy color 86.8326, 0.3040, 0.3394 looks on a white background.

Color Contrast Check

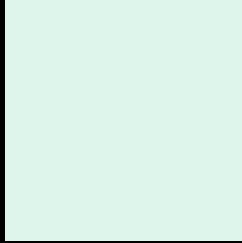
Large Text (above 18pt) WCAG AA × Fail

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 86.8326, 0.3040, 0.3394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

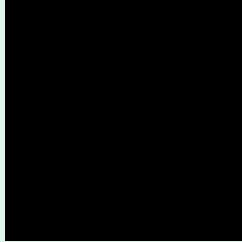
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

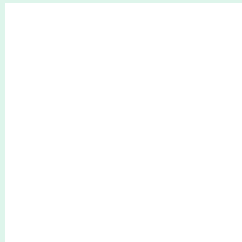
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8326, 0.3040, 0.3394

Background



This preview shows how black text looks on a background with the Yxy color 86.8326, 0.3040, 0.3394.

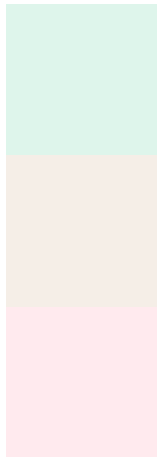


This preview shows how white text looks on a background with the Yxy color 86.8326, 0.3040, 0.3394.

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

86.8326, 0.3040, 0.3394

Protanopia

86.3311, 0.3217, 0.3361

Deuteranopia

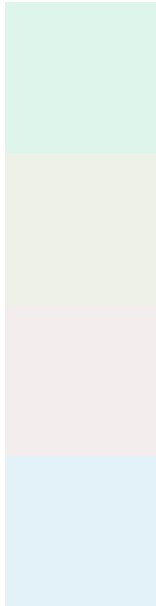
86.2787, 0.3244, 0.3251



Tritanopia

86.9536, 0.2974, 0.3149

Trichromacy



Original Color

86.8326, 0.3040, 0.3394

Protanomaly

86.7413, 0.3156, 0.3382

Deuteranomaly

86.3182, 0.3167, 0.3300

Tritanomaly

86.6125, 0.2996, 0.3228

Monochromacy



Original Color

86.8326, 0.3040, 0.3394

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.5321, 0.3099, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8326, 0.3040, 0.3394 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(222, 245, 235)` looks like.

```
.text, #text, p{  
    color:rgb(222, 245, 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(222, 245, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 245, 235) }
```

Border

The CSS property to change the border of an element to Yxy 86.8326, 0.3040, 0.3394 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(222, 245, 235) }
```

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

```
.border{ border-color:rgb(222, 245, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 245, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 245, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 245, 235);  
box-shadow:4px 4px 4px 4px rgb(222, 245,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8326, 0.3040, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 245, 235) }
```

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

```
.background{ background-color: rgb(222,  
245, 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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