

Converting Colors

Yxy(87.2687, 0.3041, 0.3343)

Have a look what the booklet for
Yxy(87.2687, 0.3041, 0.3343)
contains.

Yxy(87.1021, 0.3042, 0.3341)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(87.1021, 0.3042, 0.3341)

Conversions

Conversions Part 1

Format	Color
Hex	E2F4EF
RGB	226, 244, 239
RGB Percent	89%, 96%, 94%
CMY	0.1135, 0.0432, 0.0627
CMYK	0.07, 0.00, 0.02, 0.04
HSL	163°, 45%, 92%
HSV	163°, 7%, 96%
XYZ	79.3070, 87.1021, 94.2976
YIQ	238.0480, -9.1230, -5.3710

Conversions

Conversions Part 2

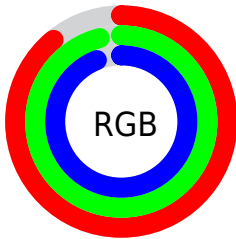
Format	Color
R _Y B	226, 236, 244
Decimal	14873839
CIE Lab	94.78, -6.79, 0.36
CIE LCh	95, 6.798, 176.927
Yxy	87.1021, 0.3042, 0.3341
Android (android.graphics.Color)	4293063919 (0xFFE2F4EF)
YUV	238.0480, 0.4693, -10.5661
Hunter-Lab	93.3285, -11.6425, 5.4243

Details

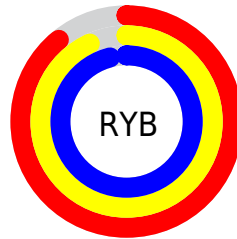
The Yxy color **87.1021, 0.3042, 0.3341** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.4242, 0.3220, 0.3240**, and the grayscale version is **85.5492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0433, 0.3026, 0.3356** is the 20% darker color. If you saturate the color by 10%, you get **83.0435, 0.2930, 0.3417**, and if you desaturate by 10%, it is **91.7444, 0.3158, 0.3273**.

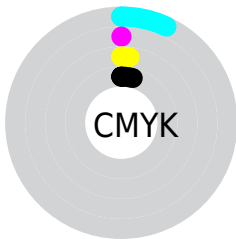
Distribution



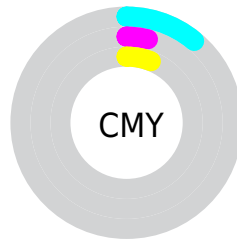
- Red (89%)
- Green (96%)
- Blue (94%)



- Red (89%)
- Yellow (93%)
- Blue (96%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)



- Cyan (11%)
- Magenta (4%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1021, 0.3042, 0.3341 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 87.1021, 0.3042, 0.3341 by changing the saturation by 10% instead.

87.1021, 0.3042,
0.3341

87.1021, 0.3042,
0.3341

518.5583, 0.3080,
0.3318

65.5797, 0.3034,
0.3346

143.3064, 0.3055,
0.3333

47.9313, 0.3023,
0.3352

178.7572, 0.3060,
0.3330

33.7725, 0.3010,
0.3360

219.6195, 0.3065,
0.3328

22.7189, 0.2994,
0.3370

266.2777, 0.3069,
0.3325

14.3861, 0.2972,
0.3383

319.1164, 0.3072,
0.3323

8.3897, 0.2941,
0.3401

378.5197, 0.3075,

4.3453, 0.2896,

0.3321

444.8722, 0.3078,
0.3320

0.3429

1.8685, 0.2821,
0.3474

0.5293, 0.2380,
0.3734

87.1021, 0.3042,
0.3341

87.1021, 0.3042,
0.3341

83.0435, 0.2930,
0.3417

91.7444, 0.3158,
0.3273


79.5338, 0.2825,
0.3500

93.0205, 0.3147,
0.3208


76.5514, 0.2729,
0.3590


93.1762, 0.3132,
0.3185


74.0686, 0.2647,
0.3686

 72.0556, 0.2580,
0.3786

 70.4792, 0.2532,
0.3891

 69.3015, 0.2503,
0.3997

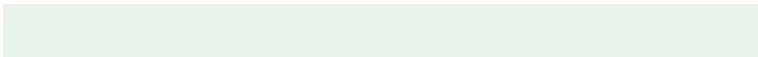
 68.4783, 0.2495,
0.4103

 67.9518, 0.2505,
0.4207

Harmonies

Analogous

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



87.1021, 0.3115, 0.3397



87.1021, 0.3042, 0.3341



87.1021, 0.2992, 0.3271

Triad

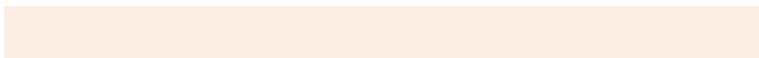
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1021, 0.3042, 0.3341



87.1021, 0.3062, 0.3160



87.1021, 0.3279, 0.3370

Complementary

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



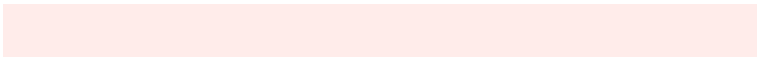
87.1021, 0.3042, 0.3341



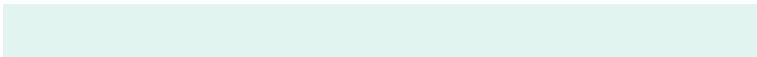
79.4242, 0.3220, 0.3240

Split Complementary

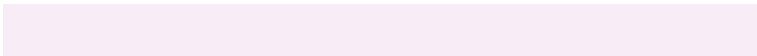
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1021, 0.3264, 0.3307



87.1021, 0.3042, 0.3341



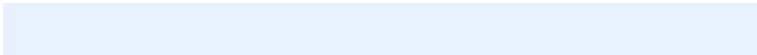
87.1021, 0.3138, 0.3186

Square

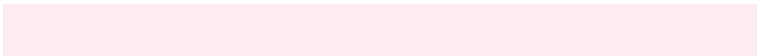
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



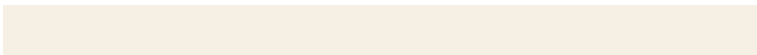
87.1021, 0.3042, 0.3341



87.1021, 0.3003, 0.3167



87.1021, 0.3212, 0.3240



87.1021, 0.3252, 0.3414

Rectangle

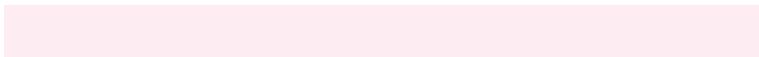
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



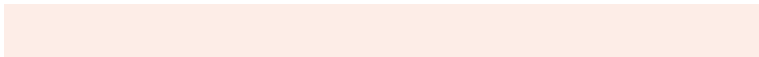
87.1021, 0.3042, 0.3341



87.1021, 0.2978, 0.3227



87.1021, 0.3212, 0.3240



87.1021, 0.3278, 0.3351

Sweetspot

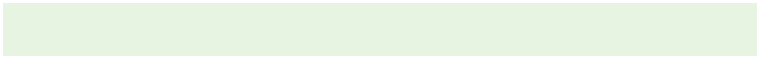
The Sweet Spot groups the original color and five complimentary colors.



87.1058, 0.3042, 0.3341



98.9546, 0.3104, 0.3304



87.2015, 0.3151, 0.3475



21.1913, 0.3105, 0.3303



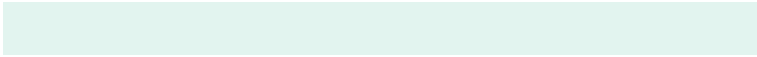
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

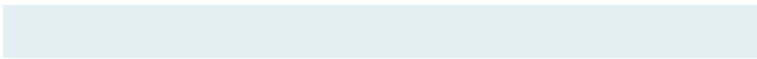
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1058, 0.3042, 0.3341



95.5002, 0.3023, 0.3353



85.0901, 0.3013, 0.3250



18.6747, 0.3018, 0.3357



36.9141, 0.2505, 0.4218



3.2618, 0.2469, 0.4087

Inverse Universe

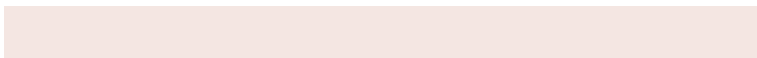
The Inverse Universe completely reimagines the original color for something new.



79.4242, 0.3220, 0.3240



85.1996, 0.3243, 0.3228



81.2851, 0.3249, 0.3330



16.5582, 0.3250, 0.3224



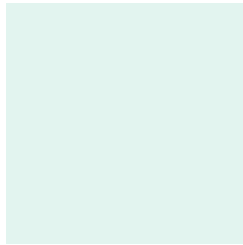
10.7034, 0.5841, 0.2991



0.9575, 0.5487, 0.2796

Previews

White Background



This preview shows how the Yxy color 87.1021, 0.3042, 0.3341 looks on a white background.

Color Contrast Check

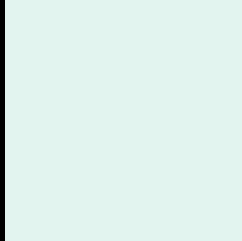
Large Text (above 18pt) WCAG AA × Fail

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 87.1021, 0.3042, 0.3341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

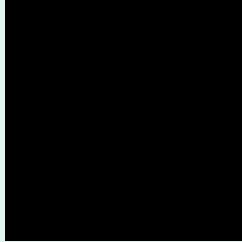
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

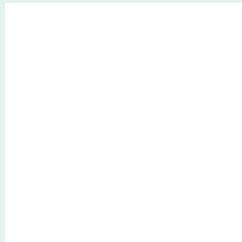
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1021, 0.3042, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 87.1021, 0.3042, 0.3341.

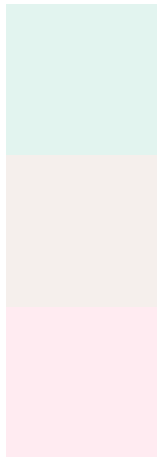


This preview shows how white text looks on a background with the Yxy color 87.1021, 0.3042, 0.3341.

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

87.1021, 0.3042, 0.3341

Protanopia

87.2016, 0.3185, 0.3320

Deuteranopia

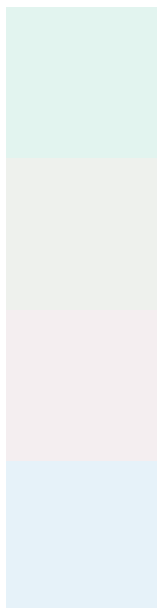
87.0275, 0.3224, 0.3232



Tritanopia

87.2864, 0.2987, 0.3149

Trichromacy



Original Color

87.1021, 0.3042, 0.3341

Protanomaly

87.2022, 0.3132, 0.3330

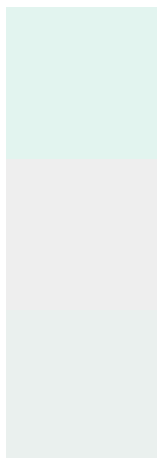
Deuteranomaly

86.6734, 0.3155, 0.3270

Tritanomaly

87.1668, 0.3009, 0.3219

Monochromacy



Original Color

87.1021, 0.3042, 0.3341

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.9856, 0.3100, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1021, 0.3042, 0.3341 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(226, 244, 239)` looks like.

```
.text, #text, p{  
    color:rgb(226, 244, 239)  
}
```

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(226, 244, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 244, 239) }
```

Border

The CSS property to change the border of an element to Yxy 87.1021, 0.3042, 0.3341 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(226, 244, 239) }
```

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

```
.border{ border-color:rgb(226, 244, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 244, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 244, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 244, 239);  
box-shadow:4px 4px 4px 4px rgb(226, 244,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1021, 0.3042, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 244, 239) }
```

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

```
.background{ background-color: rgb(226,  
244, 239) }
```

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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