

Converting Colors

Yxy(87.9633, 0.3140, 0.3423)

Have a look what the booklet for
Yxy(87.9633, 0.3140, 0.3423)
contains.

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Color

Yxy(87.9633, 0.3140, 0.3423)

Conversions

Conversions Part 1

Format	Color
Hex	EAF4E7
RGB	234, 244, 231
RGB Percent	92%, 96%, 91%
CMY	0.0826, 0.0430, 0.0941
CMYK	0.04, 0.00, 0.05, 0.04
HSL	106°, 37%, 93%
HSV	106°, 5%, 96%
XYZ	80.6908, 87.9633, 88.3231
YIQ	239.5280, -1.7870, -6.1630

Conversions

Conversions Part 2

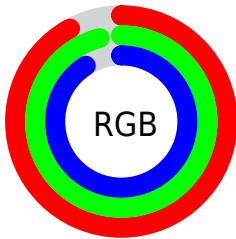
Format	Color
R _Y B	231, 244, 241
Decimal	15398119
CIE Lab	95.15, -5.63, 5.11
CIE LCh	95, 7.604, 137.819
Yxy	87.9633, 0.3140, 0.3423
Android (android.graphics.Color)	4293588199 (0xFFEAF4E7)
YUV	239.5280, -4.2043, -4.8481
Hunter-Lab	93.7888, -10.5584, 9.8173

Details

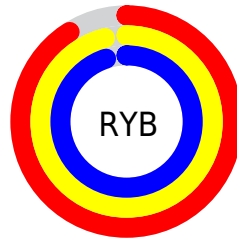
The Yxy color **87.9633, 0.3140, 0.3423** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.3975, 0.3113, 0.3159**, and the grayscale version is **86.7795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.5266, 0.3144, 0.3461** is the 20% darker color. If you saturate the color by 10%, you get **83.6559, 0.3163, 0.3695**, and if you desaturate by 10%, it is **92.7855, 0.3118, 0.3184**.

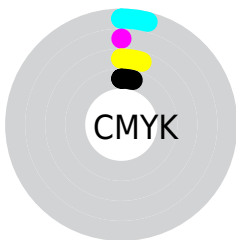
Distribution



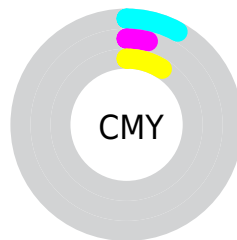
- Red (92%)
- Green (96%)
- Blue (91%)



- Red (91%)
- Yellow (96%)
- Blue (95%)



- Cyan (4%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)





- Cyan (8%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.9633, 0.3140, 0.3423 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 87.9633, 0.3140, 0.3423 by changing the saturation by 10% instead.


 87.9633, 0.3140,
0.3423

 87.9633, 0.3140,
0.3423


521.3830, 0.3135,
0.3363

 66.2927, 0.3141,
0.3436


144.5061, 0.3138,
0.3402

 48.5100, 0.3143,
0.3453


180.1470, 0.3137,
0.3394

 34.2310, 0.3144,
0.3473


221.2135, 0.3137,
0.3387

 23.0711, 0.3146,
0.3500

268.0899, 0.3136,
0.3381

 14.6460, 0.3149,
0.3535

321.1607, 0.3136,
0.3376

 8.5713, 0.3152,
0.3584

380.8102, 0.3135,

 4.4626, 0.3157,

0.3371

447.4229, 0.3135,
0.3367

0.3659

■ 1.9356, 0.3163,
0.3784

■ 0.5696, 0.3266,
0.4606

■ 87.9633, 0.3140,
0.3423

■ 87.9633, 0.3140,
0.3423

■ 83.6559, 0.3163,
0.3695

■ 92.7855, 0.3118,
0.3184

■ 79.8590, 0.3183,
0.3995

■ 93.1953, 0.3132,
0.3185

■ 76.5570, 0.3198,
0.4318

■ 73.7289, 0.3207,
0.4654

■ 71.3521, 0.3206,
0.4989

■ 69.4024, 0.3194,
0.5301

■ 67.8530, 0.3170,
0.5569

■ 66.6736, 0.3136,
0.5772

■ 65.8292, 0.3095,
0.5900

Harmonies

Analogous

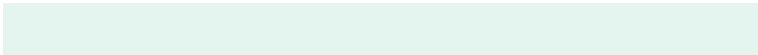
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9633, 0.3222, 0.3440



87.9633, 0.3140, 0.3423



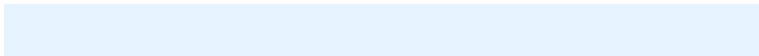
87.9633, 0.3055, 0.3369

Triad

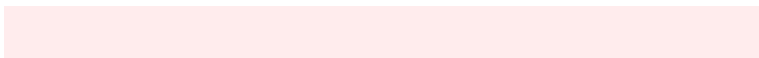
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9633, 0.3140, 0.3423



87.9633, 0.2976, 0.3163



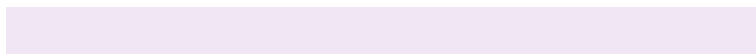
87.9633, 0.3266, 0.3285

Complementary

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



87.9633, 0.3140, 0.3423



82.3975, 0.3113, 0.3159

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.



87.9633, 0.3199, 0.3214



87.9633, 0.3140, 0.3423



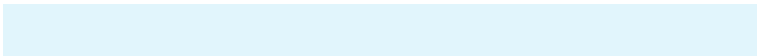
87.9633, 0.3031, 0.3143

Square

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



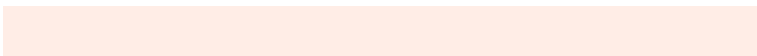
87.9633, 0.3140, 0.3423



87.9633, 0.2961, 0.3217



87.9633, 0.3113, 0.3162



87.9633, 0.3296, 0.3359

Rectangle

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



87.9633, 0.3140, 0.3423



87.9633, 0.3008, 0.3319



87.9633, 0.3113, 0.3162



87.9633, 0.3247, 0.3260

Sweetspot

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



87.9671, 0.3140, 0.3423



98.9349, 0.3132, 0.3339



87.9074, 0.3209, 0.3390



21.1873, 0.3132, 0.3337



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

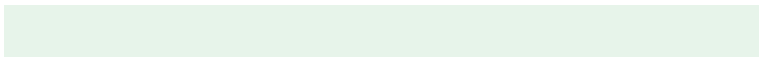
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9671, 0.3140, 0.3423



96.8764, 0.3142, 0.3440



87.6712, 0.3100, 0.3388



18.9258, 0.3143, 0.3457



35.6750, 0.3085, 0.5933



3.1796, 0.3166, 0.5868

Inverse Universe

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



82.3975, 0.3113, 0.3159



89.9736, 0.3112, 0.3142



82.7110, 0.3155, 0.3194



17.4381, 0.3110, 0.3126



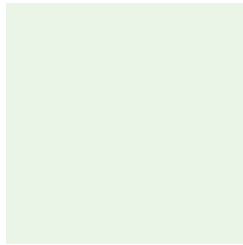
9.4872, 0.2642, 0.1229



0.8790, 0.2717, 0.1270

Previews

White Background



This preview shows how the Yxy color 87.9633, 0.3140, 0.3423 looks on a white background.

Color Contrast Check

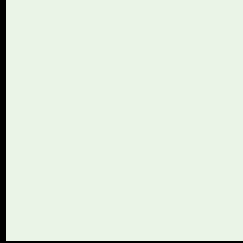
Large Text (above 18pt) WCAG AA × Fail

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 87.9633, 0.3140, 0.3423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

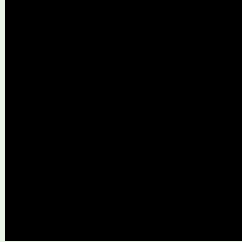
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

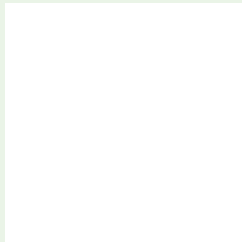
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.9633, 0.3140, 0.3423

Background



This preview shows how black text looks on a background with the Yxy color 87.9633, 0.3140, 0.3423.

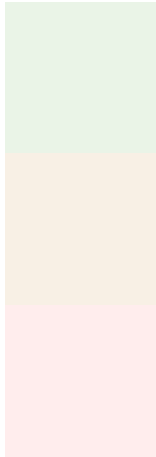


This preview shows how white text looks on a background with the Yxy color 87.9633, 0.3140, 0.3423.

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

87.9633, 0.3140, 0.3423

Protanopia

87.9338, 0.3249, 0.3400

Deuteranopia

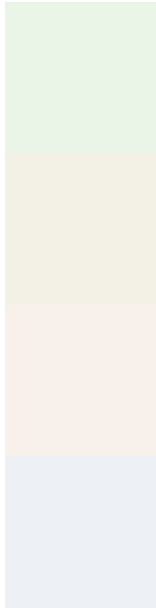
87.9428, 0.3248, 0.3290



Tritanopia

87.8909, 0.3031, 0.3141

Trichromacy



Original Color

87.9633, 0.3140, 0.3423

Protanomaly

87.6785, 0.3208, 0.3401

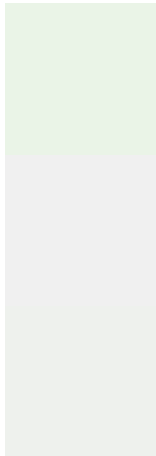
Deuteranomaly

88.0925, 0.3204, 0.3340

Tritanomaly

87.5689, 0.3071, 0.3240

Monochromacy



Original Color

87.9633, 0.3140, 0.3423

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.2022, 0.3132, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9633, 0.3140, 0.3423 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(234, 244, 231)` looks like.

```
.text, #text, p{  
    color:rgb(234, 244, 231)  
}
```

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(234, 244, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 244, 231) }
```

Border

The CSS property to change the border of an element to Yxy 87.9633, 0.3140, 0.3423 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(234, 244, 231) }
```

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

```
.border{ border-color:rgb(234, 244, 231) }
```

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

Here you see how a box with a 4 pixel rgb(234, 244, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 244, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 244, 231);  
box-shadow:4px 4px 4px 4px rgb(234, 244,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9633, 0.3140, 0.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 244, 231) }
```

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

```
.background{ background-color: rgb(234,  
244, 231) }
```

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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