

Converting Colors

$Yxy(87.9327, 0.3133, 0.3423)$

Have a look what the booklet for
Yxy(87.9327, 0.3133, 0.3423)
contains.

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Color

Yxy(87.7945, 0.3134, 0.3423)

Conversions

Conversions Part 1

Format	Color
Hex	E9F4E7
RGB	233, 244, 231
RGB Percent	91%, 96%, 91%
CMY	0.0862, 0.0431, 0.0941
CMYK	0.05, 0.00, 0.05, 0.04
HSL	111°, 37%, 93%
HSV	111°, 5%, 96%
XYZ	80.3821, 87.7945, 88.3075
YIQ	239.2290, -2.3830, -6.3750

Conversions

Conversions Part 2

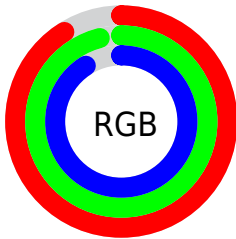
Format	Color
R _Y B	231, 244, 242
Decimal	15332583
CIE Lab	95.07, -5.93, 4.99
CIE LCh	95, 7.755, 139.909
Yxy	87.7945, 0.3134, 0.3423
Android (android.graphics.Color)	4293522663 (0xFFE9F4E7)
YUV	239.2290, -4.0569, -5.4628
Hunter-Lab	93.6987, -10.8415, 9.7105

Details

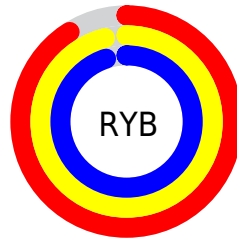
The Yxy color **87.7945, 0.3134, 0.3423** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.5561, 0.3120, 0.3159**, and the grayscale version is **86.5418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4087, 0.3136, 0.3461** is the 20% darker color. If you saturate the color by 10%, you get **83.2453, 0.3146, 0.3697**, and if you desaturate by 10%, it is **92.9229, 0.3123, 0.3184**.

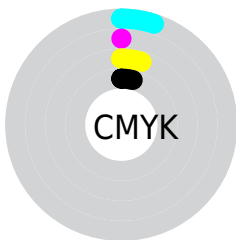
Distribution



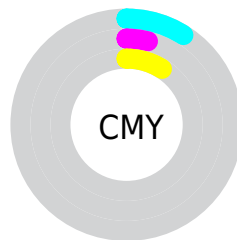
- Red (91%)
- Green (96%)
- Blue (91%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7945, 0.3134, 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 87.7945, 0.3134, 0.3423 by changing the saturation by 10% instead.

 87.7945, 0.3134,
0.3423

 87.7945, 0.3134,
0.3423


520.8300, 0.3131,
0.3363

 66.1529, 0.3135,
0.3436


144.2710, 0.3133,
0.3402

 48.3965, 0.3135,
0.3453


179.8747, 0.3133,
0.3394

 34.1410, 0.3136,
0.3473


220.9013, 0.3132,
0.3387

 23.0019, 0.3137,
0.3500

267.7350, 0.3132,
0.3381

 14.5949, 0.3138,
0.3535

320.7604, 0.3132,
0.3376

 8.5356, 0.3139,
0.3585

380.3617, 0.3132,

 4.4395, 0.3140,

0.3371

446.9235, 0.3131,
0.3367

0.3660

■ 1.9223, 0.3141,
0.3786

■ 0.5618, 0.3207,
0.4630

■ 87.7945, 0.3134,
0.3423

■ 87.7945, 0.3134,
0.3423

■ 83.2453, 0.3146,
0.3697

■ 92.9229, 0.3123,
0.3184

■ 79.2680, 0.3154,
0.4001

■ 93.1823, 0.3132,
0.3185

■ 75.8430, 0.3159,
0.4330

■ 72.9458, 0.3159,
0.4674

■ 70.5497, 0.3151,
0.5017

■ 68.6258, 0.3136,
0.5337

■ 67.1421, 0.3113,
0.5609

■ 66.0624, 0.3084,
0.5811

■ 65.3444, 0.3052,
0.5934

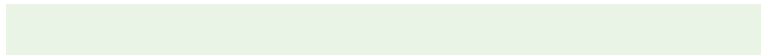
Harmonies

Analogous

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



87.7945, 0.3219, 0.3444



87.7945, 0.3134, 0.3423



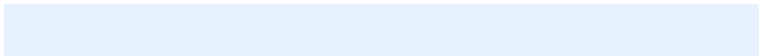
87.7945, 0.3048, 0.3365

Triad

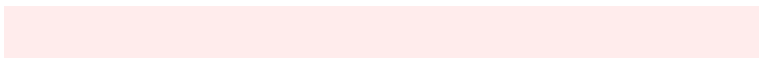
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7945, 0.3134, 0.3423



87.7945, 0.2976, 0.3158



87.7945, 0.3273, 0.3291

Complementary

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



87.7945, 0.3134, 0.3423



82.5561, 0.3120, 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.



87.7945, 0.3206, 0.3217



87.7945, 0.3134, 0.3423



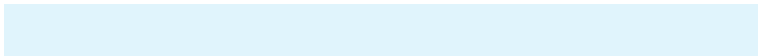
87.7945, 0.3035, 0.3140

Square

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



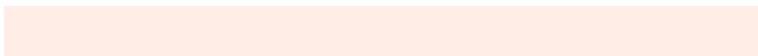
87.7945, 0.3134, 0.3423



87.7945, 0.2958, 0.3211



87.7945, 0.3119, 0.3162



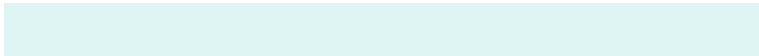
87.7945, 0.3300, 0.3366

Rectangle

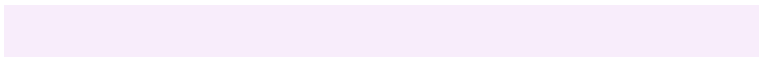
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.7945, 0.3134, 0.3423



87.7945, 0.3002, 0.3314



87.7945, 0.3119, 0.3162



87.7945, 0.3254, 0.3265

Sweetspot

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



87.7983, 0.3134, 0.3423



98.8680, 0.3130, 0.3339



88.4084, 0.3208, 0.3399



21.1737, 0.3130, 0.3337



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

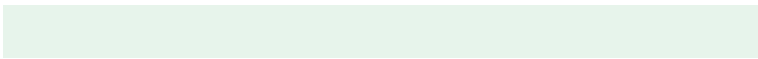
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7983, 0.3134, 0.3423



96.6843, 0.3135, 0.3441



87.7082, 0.3095, 0.3379



18.8845, 0.3136, 0.3457



35.4410, 0.3045, 0.5964



3.1509, 0.3114, 0.5910

Inverse Universe

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



82.5561, 0.3120, 0.3159



90.1757, 0.3119, 0.3142



82.6552, 0.3161, 0.3203



17.4818, 0.3118, 0.3127



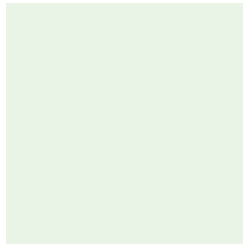
10.7432, 0.2819, 0.1327



0.9786, 0.2871, 0.1355

Previews

White Background



This preview shows how the Yxy color 87.7945, 0.3134, 0.3423 looks on a white background.

Color Contrast Check

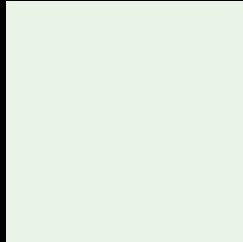
Large Text (above 18pt) WCAG AA × Fail

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 87.7945, 0.3134, 0.3423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

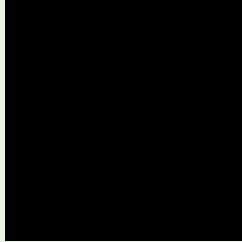
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

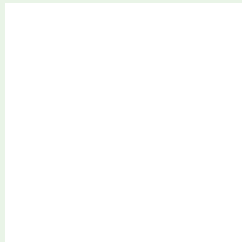
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7945, 0.3134, 0.3423

Background



This preview shows how black text looks on a background with the Yxy color 87.7945, 0.3134, 0.3423.

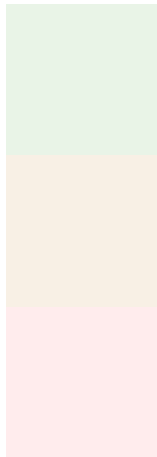


This preview shows how white text looks on a background with the Yxy color 87.7945, 0.3134, 0.3423.

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

87.7945, 0.3134, 0.3423

Protanopia

87.9338, 0.3249, 0.3400

Deuteranopia

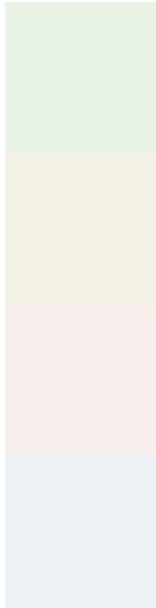
87.3653, 0.3249, 0.3281



Tritanopia

87.7173, 0.3025, 0.3141

Trichromacy



Original Color

87.7945, 0.3134, 0.3423

Protanomaly

87.6785, 0.3208, 0.3401

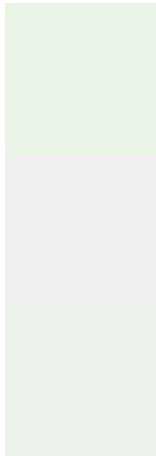
Deuteranomaly

87.5053, 0.3205, 0.3330

Tritanomaly

87.3973, 0.3065, 0.3240

Monochromacy



Original Color

87.7945, 0.3134, 0.3423

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.9712, 0.3131, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7945, 0.3134, 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(233, 244, 231)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 244, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 244, 231) }
```

Border

The CSS property to change the border of an element to Yxy 87.7945, 0.3134, 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(233, 244, 231) }
```

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

```
.border{ border-color:rgb(233, 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(233, 244, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 244, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 244, 231);  
box-shadow:4px 4px 4px 4px rgb(233, 244,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7945, 0.3134, 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(233, 244, 231) }
```

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

```
.background{ background-color: rgb(233,  
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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