

Converting Colors

Yxy(84.9398, 0.3124, 0.3375)

Have a look what the booklet for
Yxy(84.9398, 0.3124, 0.3375)
contains.

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Color

Yxy(85.0786, 0.3123, 0.3383)

Conversions

Conversions Part 1

Format	Color
Hex	E7F0E7
RGB	231, 240, 231
RGB Percent	91%, 94%, 91%
CMY	0.0941, 0.0588, 0.0942
CMYK	0.04, 0.00, 0.04, 0.06
HSL	120°, 23%, 92%
HSV	120°, 4%, 94%
XYZ	78.5399, 85.0786, 87.8701
YIQ	236.2830, -2.4750, -4.7070

Conversions

Conversions Part 2

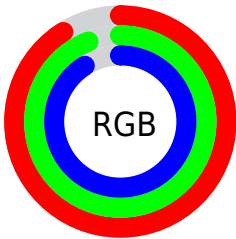
Format	Color
R _Y B	231, 240, 240
Decimal	15200487
CIE Lab	93.92, -4.58, 3.31
CIE LCh	94, 5.653, 144.191
Yxy	85.0786, 0.3123, 0.3383
Android (android.graphics.Color)	4293390567 (0xFFE7F0E7)
YUV	236.2830, -2.6045, -4.6332
Hunter-Lab	92.2381, -9.4254, 8.0843

Details

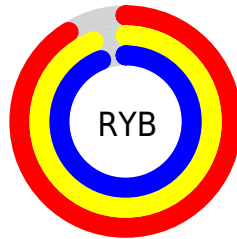
The Yxy color **85.0786, 0.3123, 0.3383** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.9546, 0.3131, 0.3199**, and the grayscale version is **84.1335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4901, 0.3122, 0.3410** is the 20% darker color. If you saturate the color by 10%, you get **80.1058, 0.3111, 0.3655**, and if you desaturate by 10%, it is **90.7885, 0.3134, 0.3146**.

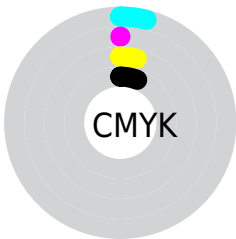
Distribution



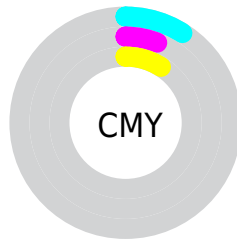
- Red (91%)
- Green (94%)
- Blue (91%)



- Red (91%)
- Yellow (94%)
- Blue (94%)



- Cyan (4%)
- Magenta (0%)
- Yellow (4%)
- Black (6%)




- Cyan (9%)
- Magenta (6%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.0786, 0.3123, 0.3383 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 85.0786, 0.3123, 0.3383 by changing the saturation by 10% instead.


 85.0786, 0.3123,
0.3383

 85.0786, 0.3123,
0.3383

511.8881, 0.3125,
0.3341

 63.9063, 0.3123,
0.3392

140.4830, 0.3124,
0.3369

 46.5748, 0.3122,
0.3404


175.4839, 0.3124,
0.3363

 32.6997, 0.3121,
0.3418


215.8631, 0.3124,
0.3358

 21.8965, 0.3120,
0.3437

262.0051, 0.3124,
0.3354

 13.7808, 0.3119,
0.3462

314.2942, 0.3125,
0.3350

 7.9684, 0.3116,
0.3498

373.1148, 0.3125,

 4.0747, 0.3113,

0.3347

0.3551

438.8513, 0.3125,
0.3344

■ 1.7155, 0.3106,
0.3643

■ 0.4336, 0.3080,
0.4448

■ 85.0786, 0.3123,
0.3383

■ 85.0786, 0.3123,
0.3383

■ 80.1058, 0.3111,
0.3655

■ 90.7885, 0.3134,
0.3146

■ 75.8296, 0.3097,
0.3962

■ 90.8023, 0.3134,
0.3146

■ 72.2224, 0.3081,
0.4299

■ 69.2504, 0.3065,
0.4657

■ 66.8767, 0.3048,
0.5016

■ 65.0608, 0.3032,
0.5353

■ 63.7572, 0.3019,
0.5637

■ 62.9132, 0.3009,
0.5844

■ 62.4647, 0.3002,
0.5962

Harmonies

Analogous

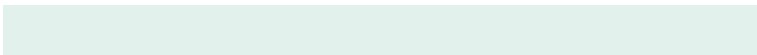
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0786, 0.3187, 0.3403



85.0786, 0.3123, 0.3383



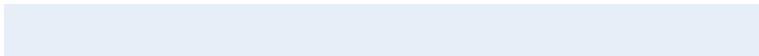
85.0786, 0.3061, 0.3338

Triad

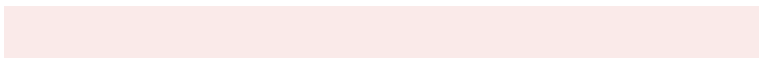
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.0786, 0.3123, 0.3383



85.0786, 0.3020, 0.3189



85.0786, 0.3239, 0.3299

Complementary

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



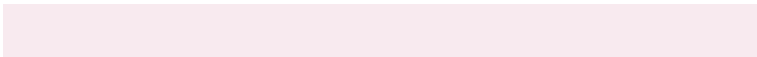
85.0786, 0.3123, 0.3383



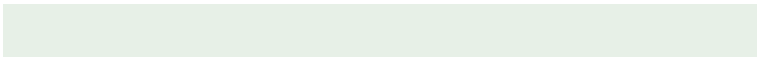
81.9546, 0.3131, 0.3199

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.



85.0786, 0.3194, 0.3243



85.0786, 0.3123, 0.3383



85.0786, 0.3067, 0.3180

Square

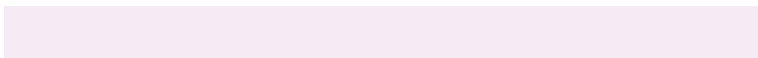
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



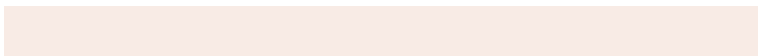
85.0786, 0.3123, 0.3383



85.0786, 0.3002, 0.3225



85.0786, 0.3130, 0.3200



85.0786, 0.3254, 0.3353

Rectangle

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



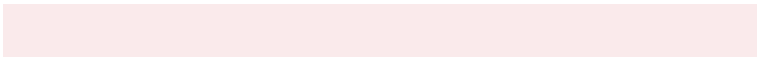
85.0786, 0.3123, 0.3383



85.0786, 0.3029, 0.3300



85.0786, 0.3130, 0.3200



85.0786, 0.3227, 0.3280

Sweetspot

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



85.0822, 0.3123, 0.3383



99.3580, 0.3126, 0.3314



86.5284, 0.3183, 0.3380



21.2735, 0.3126, 0.3313



0.0000, 0.0000, 0.0000



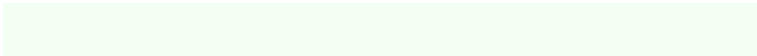
21.4041, 0.3127, 0.3290

Same Dimension

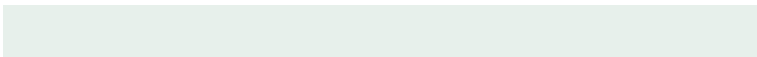
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0822, 0.3123, 0.3383



96.8751, 0.3122, 0.3415



85.3265, 0.3096, 0.3338



18.0712, 0.3121, 0.3433



34.1191, 0.3001, 0.5999



2.8393, 0.3003, 0.5998

Inverse Universe

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



81.9546, 0.3131, 0.3199



92.1249, 0.3133, 0.3168



81.7040, 0.3159, 0.3243



17.0673, 0.3133, 0.3151



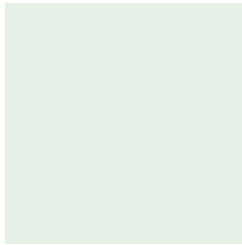
13.5077, 0.3201, 0.1537



1.1246, 0.3202, 0.1538

Previews

White Background



This preview shows how the Yxy color 85.0786, 0.3123, 0.3383 looks on a white background.

Color Contrast Check

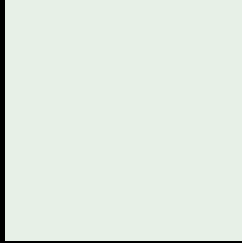
Large Text (above 18pt) WCAG AA × Fail

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 85.0786, 0.3123, 0.3383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

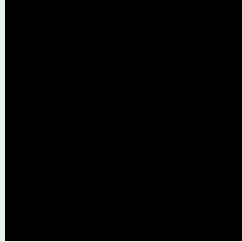
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

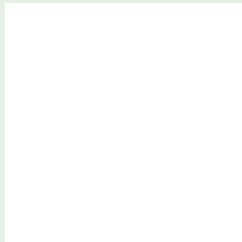
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.0786, 0.3123, 0.3383

Background



This preview shows how black text looks on a background with the Yxy color 85.0786, 0.3123, 0.3383.

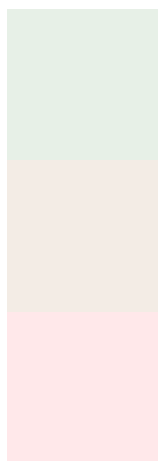


This preview shows how white text looks on a background with the Yxy color 85.0786, 0.3123, 0.3383.

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

85.0786, 0.3123, 0.3383

Protanopia

84.7027, 0.3218, 0.3361

Deuteranopia

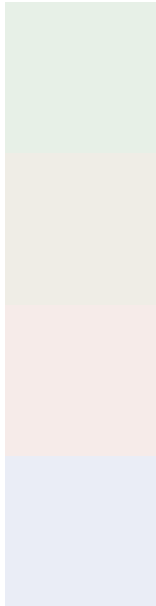
84.9137, 0.3272, 0.3271



Tritanopia

84.8731, 0.3006, 0.3099

Trichromacy



Original Color

85.0786, 0.3123, 0.3383

Protanomaly

84.6323, 0.3184, 0.3361

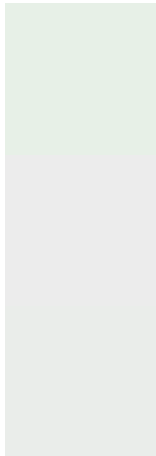
Deuteranomaly

84.8927, 0.3214, 0.3310

Tritanomaly

84.7146, 0.3053, 0.3199

Monochromacy



Original Color

85.0786, 0.3123, 0.3383

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.0013, 0.3126, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0786, 0.3123, 0.3383 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(231, 240, 231)` looks like.

```
.text, #text, p{  
    color:rgb(231, 240, 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(231, 240, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 240, 231) }
```

Border

The CSS property to change the border of an element to Yxy 85.0786, 0.3123, 0.3383 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(231, 240, 231) }
```

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

```
.border{ border-color:rgb(231, 240, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 240, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 240, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 240, 231);  
box-shadow:4px 4px 4px 4px rgb(231, 240,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0786, 0.3123, 0.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 240, 231) }
```

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

```
.background{ background-color: rgb(231,  
240, 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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