

Converting Colors

Yxy(83.4708, 0.3135, 0.3483)

Have a look what the booklet for
Yxy(83.4708, 0.3135, 0.3483)
contains.

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Color

Yxy(83.4414, 0.3131, 0.3480)

Conversions

Conversions Part 1

Format	Color
Hex	E0F0DE
RGB	224, 240, 222
RGB Percent	88%, 94%, 87%
CMY	0.1218, 0.0587, 0.1294
CMYK	0.07, 0.00, 0.08, 0.06
HSL	114°, 38%, 91%
HSV	114°, 8%, 94%
XYZ	75.0733, 83.4414, 81.2595
YIQ	233.1640, -3.7580, -8.9900

Conversions

Conversions Part 2

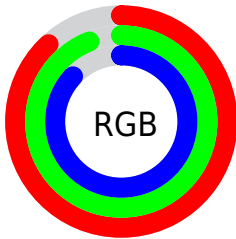
Format	Color
RYB	222, 240, 238
Decimal	14741726
CIELab	93.21, -8.53, 6.88
CIELCh	93, 10.958, 141.139
Yxy	83.4414, 0.3131, 0.3480
Android (android.graphics.Color)	4292931806 (0xFFE0F0DE)
YUV	233.1640, -5.5039, -8.0368
Hunter-Lab	91.3463, -13.1550, 11.1994

Details

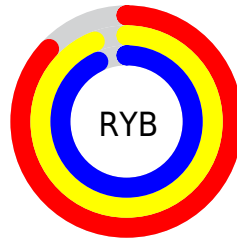
The Yxy color **83.4414, 0.3131, 0.3480** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.7293, 0.3122, 0.3106**, and the grayscale version is **81.6562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5060, 0.3133, 0.3522** is the 20% darker color. If you saturate the color by 10%, you get **79.0400, 0.3135, 0.3762**, and if you desaturate by 10%, it is **88.4641, 0.3126, 0.3231**.

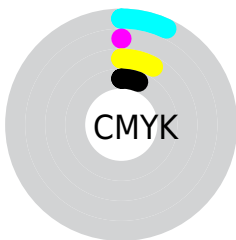
Distribution



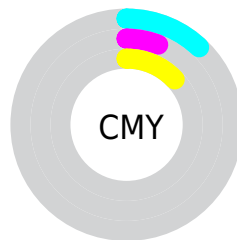
- Red (88%)
- Green (94%)
- Blue (87%)



- Red (87%)
- Yellow (94%)
- Blue (93%)



- Cyan (7%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)




- Cyan (12%)
- Magenta (6%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4414, 0.3131, 0.3480 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 83.4414, 0.3131, 0.3480 by changing the saturation by 10% instead.


 83.4414, 0.3131,
0.3480

 83.4414, 0.3131,
0.3480

506.4564, 0.3130,
0.3393

 62.5544, 0.3131,
0.3500


138.1935, 0.3131,
0.3450

 45.4808, 0.3131,
0.3524


172.8274, 0.3131,
0.3438

 31.8363, 0.3131,
0.3554


212.8123, 0.3130,
0.3428

 21.2365, 0.3131,
0.3594

258.5326, 0.3130,
0.3419

 13.2970, 0.3131,
0.3648

310.3728, 0.3130,
0.3412

 7.6334, 0.3129,
0.3724

368.7172, 0.3130,

 3.8613, 0.3126,

0.3405

0.3842

433.9503, 0.3130,
0.3399

■ 1.5963, 0.3116,
0.4047

■ 0.3551, 0.2668,
0.7332

■ 83.4414, 0.3131,
0.3480

■ 83.4414, 0.3131,
0.3480

■ 79.0400, 0.3135,
0.3762

■ 88.4641, 0.3126,
0.3231

■ 75.2255, 0.3135,
0.4074

■ 90.8119, 0.3134,
0.3146

■ 71.9764, 0.3133,
0.4412

■ 69.2655, 0.3126,
0.4763

■ 67.0637, 0.3114,
0.5107

■ 65.3388, 0.3096,
0.5422

■ 64.0553, 0.3074,
0.5682

■ 63.1721, 0.3050,
0.5865

■ 62.6394, 0.3026,
0.5966

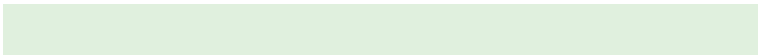
Harmonies

Analogous

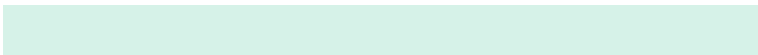
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4414, 0.3254, 0.3512



83.4414, 0.3131, 0.3480



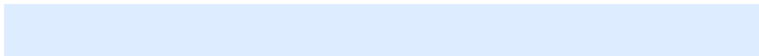
83.4414, 0.3009, 0.3394

Triad

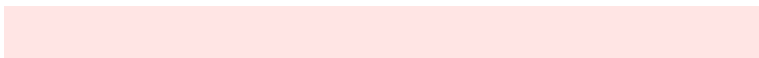
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.4414, 0.3131, 0.3480



83.4414, 0.2913, 0.3098



83.4414, 0.3340, 0.3294

Complementary

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



83.4414, 0.3131, 0.3480



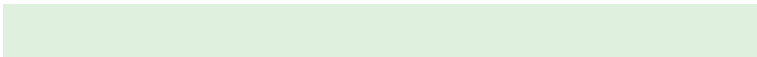
76.7293, 0.3122, 0.3106

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.



83.4414, 0.3245, 0.3189



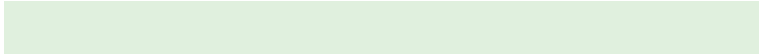
83.4414, 0.3131, 0.3480



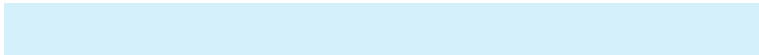
83.4414, 0.2998, 0.3076

Square

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



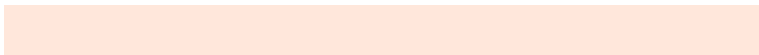
83.4414, 0.3131, 0.3480



83.4414, 0.2884, 0.3171



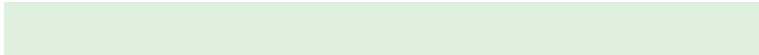
83.4414, 0.3119, 0.3110



83.4414, 0.3376, 0.3401

Rectangle

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



83.4414, 0.3131, 0.3480



83.4414, 0.2944, 0.3319



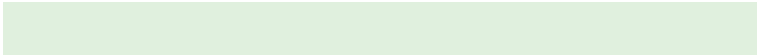
83.4414, 0.3119, 0.3110



83.4414, 0.3313, 0.3258

Sweetspot

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



83.4450, 0.3131, 0.3480



98.8230, 0.3128, 0.3339



84.9046, 0.3240, 0.3453



21.1645, 0.3128, 0.3337



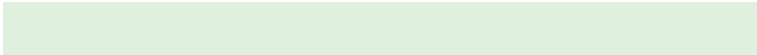
0.0000, 0.0000, 0.0000



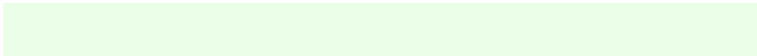
21.4041, 0.3127, 0.3290

Same Dimension

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



83.4450, 0.3131, 0.3480



94.9300, 0.3132, 0.3521



83.5147, 0.3077, 0.3407



17.7378, 0.3132, 0.3533



34.2614, 0.3026, 0.5979



2.8770, 0.3083, 0.5934

Inverse Universe

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



76.7293, 0.3122, 0.3106



85.7555, 0.3121, 0.3067



76.6644, 0.3181, 0.3176



15.9399, 0.3121, 0.3056



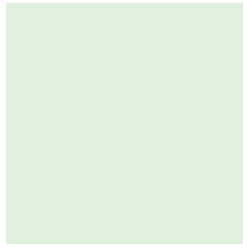
11.3176, 0.2939, 0.1393



0.9661, 0.2977, 0.1414

Previews

White Background



This preview shows how the Yxy color 83.4414, 0.3131, 0.3480 looks on a white background.

Color Contrast Check

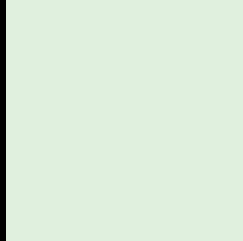
Large Text (above 18pt) WCAG AA × Fail

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 83.4414, 0.3131, 0.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

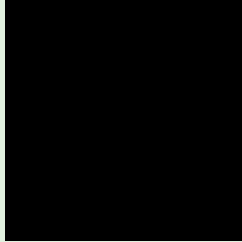
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

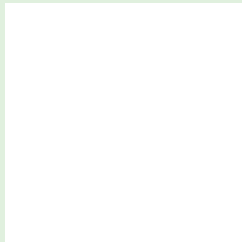
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4414, 0.3131, 0.3480

Background



This preview shows how black text looks on a background with the Yxy color 83.4414, 0.3131, 0.3480.

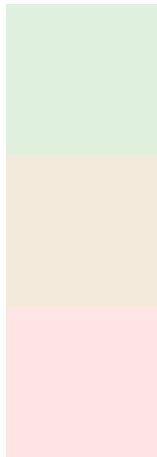


This preview shows how white text looks on a background with the Yxy color 83.4414, 0.3131, 0.3480.

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

83.4414, 0.3131, 0.3480

Protanopia

83.0148, 0.3284, 0.3444

Deuteranopia

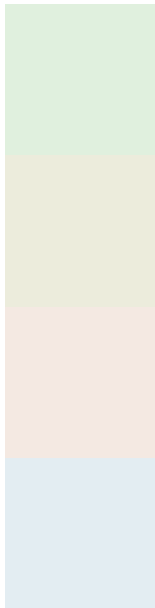
82.9001, 0.3315, 0.3300



Tritanopia

83.2304, 0.2973, 0.3097

Trichromacy



Original Color

83.4414, 0.3131, 0.3480

Protanomaly

82.9911, 0.3228, 0.3456

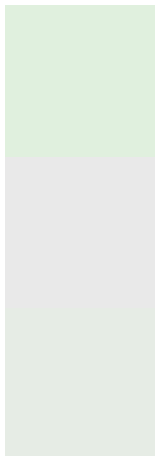
Deuteranomaly

83.0019, 0.3247, 0.3361

Tritanomaly

83.3101, 0.3031, 0.3238

Monochromacy



Original Color

83.4414, 0.3131, 0.3480

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.4710, 0.3130, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4414, 0.3131, 0.3480 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(224, 240, 222)` looks like.

```
.text, #text, p{  
    color:rgb(224, 240, 222)  
}
```

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(224, 240, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 240, 222) }
```

Border

The CSS property to change the border of an element to Yxy 83.4414, 0.3131, 0.3480 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(224, 240, 222) }
```

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

```
.border{ border-color:rgb(224, 240, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 240, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 240, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 240, 222);  
box-shadow:4px 4px 4px 4px rgb(224, 240,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4414, 0.3131, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 240, 222) }
```

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

```
.background{ background-color: rgb(224,  
240, 222) }
```

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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