

Converting Colors

Yxy(83.5461, 0.3169, 0.3432)

Have a look what the booklet for
Yxy(83.5461, 0.3169, 0.3432)
contains.

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Color

Yxy(83.6867, 0.3174, 0.3435)

Conversions

Conversions Part 1

Format	Color
Hex	E8EEE0
RGB	232, 238, 224
RGB Percent	91%, 93%, 88%
CMY	0.0899, 0.0667, 0.1215
CMYK	0.02, 0.00, 0.06, 0.07
HSL	85°, 29%, 91%
HSV	85°, 6%, 93%
XYZ	77.3280, 83.6867, 82.6147
YIQ	234.6100, 0.9180, -5.6260

Conversions

Conversions Part 2

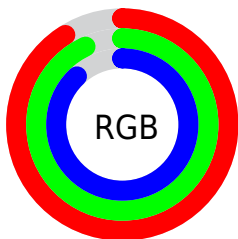
Format	Color
RYB	224, 238, 230
Decimal	15265504
CIELab	93.31, -4.41, 6.06
CIELCh	93, 7.494, 126.072
Yxy	83.6867, 0.3174, 0.3435
Android (android.graphics.Color)	4293455584 (0xFFE8EEE0)
YUV	234.6100, -5.2307, -2.2890
Hunter-Lab	91.4804, -9.2056, 10.4923

Details

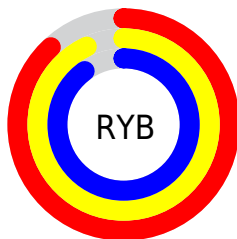
The Yxy color **83.6867, 0.3174, 0.3435** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.3083, 0.3078, 0.3144**, and the grayscale version is **82.8168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5506, 0.3179, 0.3465** is the 20% darker color. If you saturate the color by 10%, you get **80.8495, 0.3254, 0.3698**, and if you desaturate by 10%, it is **86.8085, 0.3095, 0.3192**.

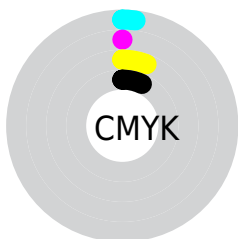
Distribution



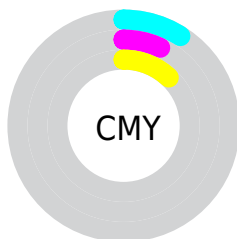
- Red (91%)
- Green (93%)
- Blue (88%)



- Red (88%)
- Yellow (93%)
- Blue (90%)



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6867, 0.3174, 0.3435 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 83.6867, 0.3174, 0.3435 by changing the saturation by 10% instead.

83.6867, 0.3174,
0.3435

83.6867, 0.3174,
0.3435

507.2723, 0.3153,
0.3369

62.7568, 0.3179,
0.3450

138.5368, 0.3167,
0.3412

45.6445, 0.3184,
0.3468

173.2259, 0.3164,
0.3403

31.9654, 0.3191,
0.3491

213.2700, 0.3162,
0.3396

21.3351, 0.3200,
0.3521

259.0538, 0.3160,
0.3389

13.3691, 0.3212,
0.3560

310.9615, 0.3158,
0.3383

7.6832, 0.3228,
0.3617

369.3775, 0.3156,

3.8929, 0.3252,

0.3378

0.3703

434.6863, 0.3154,
0.3373

■ 1.6138, 0.3290,
0.3851

■ 0.3669, 0.3965,
0.6035

■ 83.6867, 0.3174,
0.3435

■ 83.6867, 0.3174,
0.3435

■ 80.8495, 0.3254,
0.3698

■ 86.8085, 0.3095,
0.3192

■ 78.2770, 0.3332,
0.3977

■ 89.0953, 0.3117,
0.3125

■ 75.9632, 0.3405,
0.4267

■ 89.6188, 0.3135,
0.3126

■ 73.8977, 0.3467,
0.4558

■ 72.0695, 0.3514,
0.4839

■ 70.4664, 0.3543,
0.5095

■ 69.0748, 0.3548,
0.5312

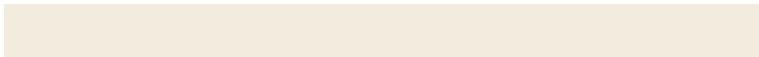
■ 67.8790, 0.3528,
0.5480

■ 66.8602, 0.3487,
0.5594

Harmonies

Analogous

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



83.6867, 0.3249, 0.3436



83.6867, 0.3174, 0.3435



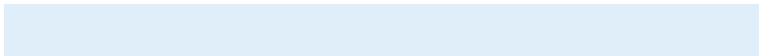
83.6867, 0.3087, 0.3394

Triad

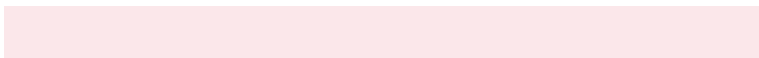
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6867, 0.3174, 0.3435



83.6867, 0.2965, 0.3181



83.6867, 0.3244, 0.3256

Complementary

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



83.6867, 0.3174, 0.3435



76.3083, 0.3078, 0.3144

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.



83.6867, 0.3166, 0.3190



83.6867, 0.3174, 0.3435



83.6867, 0.3005, 0.3146

Square

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



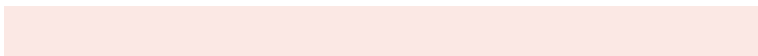
83.6867, 0.3174, 0.3435



83.6867, 0.2967, 0.3245



83.6867, 0.3079, 0.3150



83.6867, 0.3290, 0.3331

Rectangle

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



83.6867, 0.3174, 0.3435



83.6867, 0.3034, 0.3349



83.6867, 0.3079, 0.3150



83.6867, 0.3220, 0.3232

Sweetspot

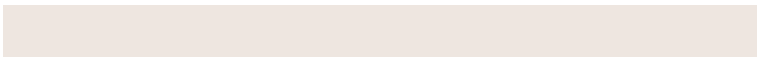
The Sweet Spot groups the original color and five complimentary colors.



83.6903, 0.3174, 0.3435



99.2688, 0.3143, 0.3339



80.0620, 0.3221, 0.3350



21.2553, 0.3142, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

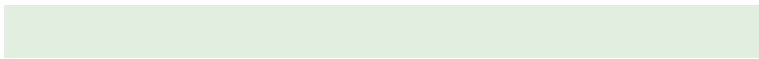
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6903, 0.3174, 0.3435



97.4984, 0.3183, 0.3465



82.5597, 0.3128, 0.3437



18.2272, 0.3188, 0.3479



37.1726, 0.3477, 0.5622



3.1509, 0.3568, 0.5549

Inverse Universe

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



76.3083, 0.3078, 0.3144



87.2347, 0.3068, 0.3115



77.4699, 0.3126, 0.3147



16.1598, 0.3063, 0.3100



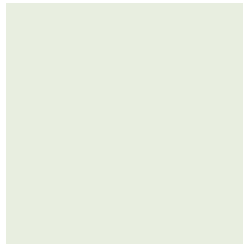
5.0513, 0.1884, 0.0811



0.4776, 0.2030, 0.0892

Previews

White Background



This preview shows how the Yxy color 83.6867, 0.3174, 0.3435 looks on a white background.

Color Contrast Check

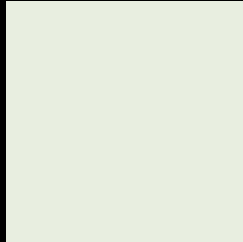
Large Text (above 18pt) WCAG AA × Fail

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 83.6867, 0.3174, 0.3435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

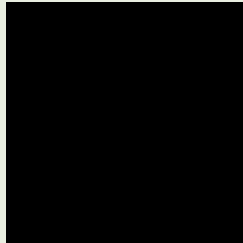
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

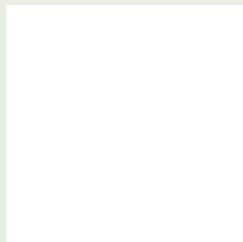
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6867, 0.3174, 0.3435

Background



This preview shows how black text looks on a background with the Yxy color 83.6867, 0.3174, 0.3435.

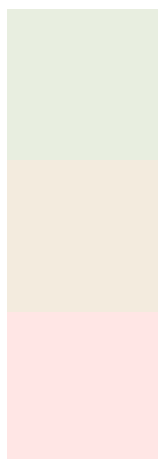


This preview shows how white text looks on a background with the Yxy color 83.6867, 0.3174, 0.3435.

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

83.6867, 0.3174, 0.3435

Protanopia

83.7453, 0.3264, 0.3423

Deuteranopia

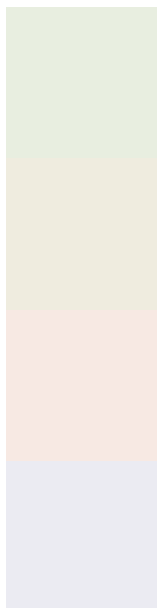
83.5108, 0.3307, 0.3300



Tritanopia

83.7068, 0.3030, 0.3109

Trichromacy



Original Color

83.6867, 0.3174, 0.3435

Protanomaly

83.6693, 0.3229, 0.3424

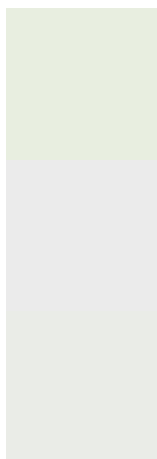
Deuteranomaly

83.5980, 0.3261, 0.3351

Tritanomaly

83.4896, 0.3084, 0.3219

Monochromacy



Original Color

83.6867, 0.3174, 0.3435

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.2529, 0.3145, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6867, 0.3174, 0.3435 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(232, 238, 224)` looks like.

```
.text, #text, p{  
    color:rgb(232, 238, 224)  
}
```

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(232, 238, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 238, 224) }
```

Border

The CSS property to change the border of an element to Yxy 83.6867, 0.3174, 0.3435 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(232, 238, 224) }
```

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

```
.border{ border-color:rgb(232, 238, 224) }
```

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

Here you see how a box with a 4 pixel rgb(232, 238, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 238, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 238, 224);  
box-shadow:4px 4px 4px 4px rgb(232, 238,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6867, 0.3174, 0.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 238, 224) }
```

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

```
.background{ background-color: rgb(232,  
238, 224) }
```

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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