

Converting Colors

Yxy(83.2444, 0.3146, 0.3215)

Have a look what the booklet for
Yxy(83.2444, 0.3146, 0.3215)
contains.

Yxy(83.4463, 0.3144, 0.3220)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.4463, 0.3144, 0.3220)

Conversions

Conversions Part 1

Format	Color
Hex	F2E9F0
RGB	242, 233, 240
RGB Percent	95%, 91%, 94%
CMY	0.0510, 0.0862, 0.0589
CMYK	0.00, 0.04, 0.01, 0.05
HSL	313°, 26%, 93%
HSV	313°, 4%, 95%
XYZ	81.4768, 83.4463, 94.2269
YIQ	236.4890, 3.1170, 4.0850

Conversions

Conversions Part 2

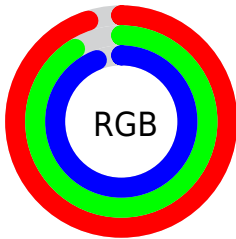
Format	Color
R _Y B	242, 233, 240
Decimal	15919600
CIE Lab	93.21, 4.24, -2.30
CIE LCh	93, 4.825, 331.549
Yxy	83.4463, 0.3144, 0.3220
Android (android.graphics.Color)	4294109680 (0xFF F2E9F0)
YUV	236.4890, 1.7309, 4.8331
Hunter-Lab	91.3489, -0.6514, 2.7863

Details

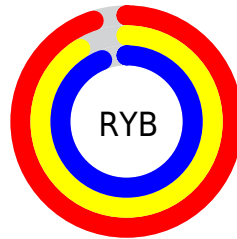
The Yxy color **83.4463, 0.3144, 0.3220** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.8201, 0.3111, 0.3361**, and the grayscale version is **84.2591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3441, 0.3149, 0.3200** is the 20% darker color. If you saturate the color by 10%, you get **70.3568, 0.3195, 0.3025**, and if you desaturate by 10%, it is **97.0113, 0.3102, 0.3384**.

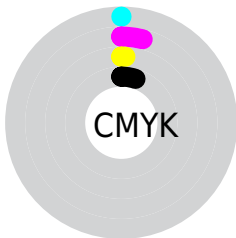
Distribution



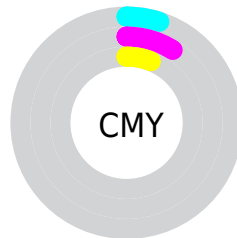
- Red (95%)
- Green (91%)
- Blue (94%)



- Red (95%)
- Yellow (91%)
- Blue (94%)



- Cyan (0%)
- Magenta (4%)
- Yellow (1%)
- Black (5%)




- Cyan (5%)
- Magenta (9%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4463, 0.3144, 0.3220 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 83.4463, 0.3144, 0.3220 by changing the saturation by 10% instead.


 83.4463, 0.3144,
0.3220

 83.4463, 0.3144,
0.3220


506.4727, 0.3137,
0.3252

 62.5584, 0.3146,
0.3213


138.2004, 0.3141,
0.3231

 45.4840, 0.3148,
0.3204


172.8353, 0.3140,
0.3235

 31.8389, 0.3150,
0.3194


212.8214, 0.3140,
0.3239

 21.2385, 0.3153,
0.3180

258.5430, 0.3139,
0.3242

 13.2984, 0.3158,
0.3162

310.3846, 0.3138,
0.3245

 7.6344, 0.3163,
0.3136

368.7304, 0.3138,

 3.8619, 0.3172,

0.3247

0.3098

433.9650, 0.3137,
0.3250

■ 1.5966, 0.3186,
0.3035

■ 0.3553, 0.3283,
0.2643

■ 83.4463, 0.3144,
0.3220

■ 83.4463, 0.3144,
0.3220

■ 70.3568, 0.3195,
0.3025

■ 97.0113, 0.3102,
0.3384

■ 59.0761, 0.3253,
0.2825

■ 97.3485, 0.3071,
0.3331

■ 49.5264, 0.3320,
0.2624

■ 97.6143, 0.3047,
0.3290

■ 41.6204, 0.3395,
0.2431

■ 35.2631, 0.3477,
0.2254

■ 30.3496, 0.3565,
0.2105

■ 26.7620, 0.3655,
0.1993

■ 24.3639, 0.3745,
0.1926

■ 22.9891, 0.3833,
0.1907

Harmonies

Analogous

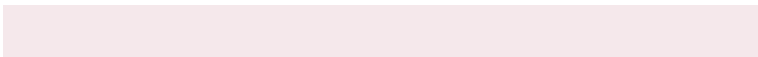
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4463, 0.3088, 0.3197



83.4463, 0.3144, 0.3220



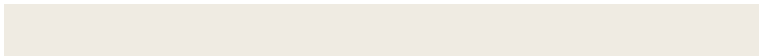
83.4463, 0.3196, 0.3261

Triad

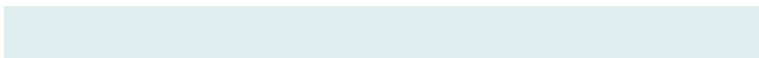
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.4463, 0.3144, 0.3220



83.4463, 0.3212, 0.3382



83.4463, 0.3026, 0.3269

Complementary

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



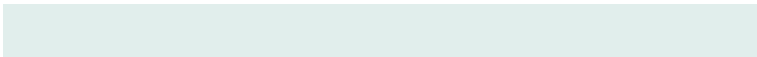
83.4463, 0.3144, 0.3220



86.8201, 0.3111, 0.3361

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.



83.4463, 0.3059, 0.3319



83.4463, 0.3144, 0.3220



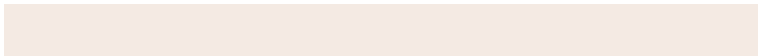
83.4463, 0.3166, 0.3385

Square

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



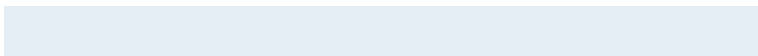
83.4463, 0.3144, 0.3220



83.4463, 0.3235, 0.3354



83.4463, 0.3110, 0.3362



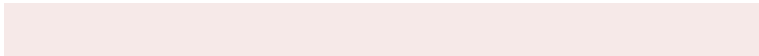
83.4463, 0.3021, 0.3225

Rectangle

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



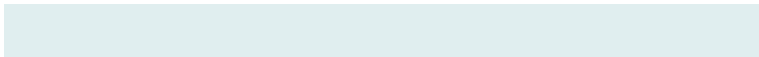
83.4463, 0.3144, 0.3220



83.4463, 0.3221, 0.3293



83.4463, 0.3110, 0.3362



83.4463, 0.3035, 0.3286

Sweetspot

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



83.4499, 0.3144, 0.3220



98.3470, 0.3132, 0.3271



82.3508, 0.3084, 0.3199



21.0677, 0.3131, 0.3272



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

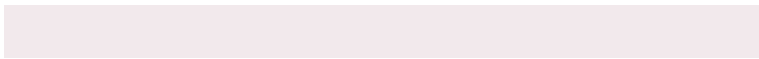
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4499, 0.3144, 0.3220



93.5174, 0.3145, 0.3214



83.1907, 0.3172, 0.3264



17.3049, 0.3149, 0.3200



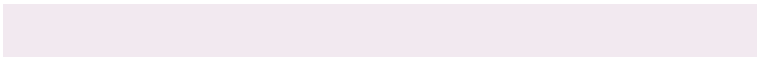
12.1064, 0.3872, 0.1907



1.0219, 0.3767, 0.1849

Inverse Universe

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



83.4499, 0.3144, 0.3220



93.5174, 0.3145, 0.3214



87.0785, 0.3084, 0.3316



17.3049, 0.3149, 0.3200



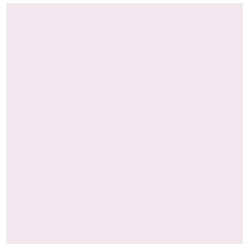
12.1064, 0.3872, 0.1907



1.0219, 0.3767, 0.1849

Previews

White Background



This preview shows how the Yxy color 83.4463, 0.3144, 0.3220 looks on a white background.

Color Contrast Check

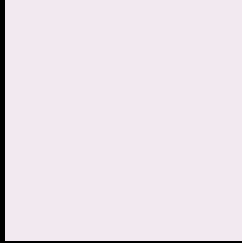
Large Text (above 18pt) WCAG AA × Fail

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 83.4463, 0.3144, 0.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

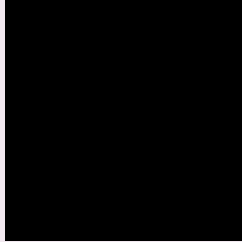
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

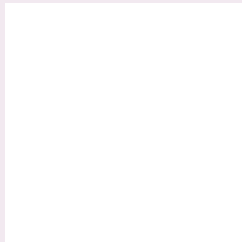
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4463, 0.3144, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 83.4463, 0.3144, 0.3220.

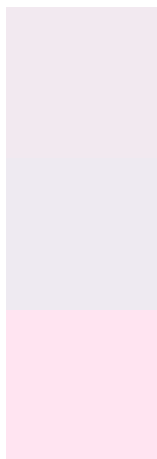


This preview shows how white text looks on a background with the Yxy color 83.4463, 0.3144, 0.3220.

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

83.4463, 0.3144, 0.3220

Protanopia

83.3737, 0.3110, 0.3219

Deuteranopia

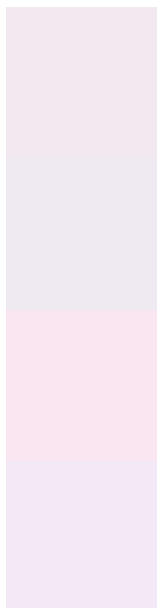
83.0977, 0.3230, 0.3163



Tritanopia

83.1086, 0.3089, 0.3101

Trichromacy



Original Color

83.4463, 0.3144, 0.3220

Protanomaly

83.5472, 0.3117, 0.3219

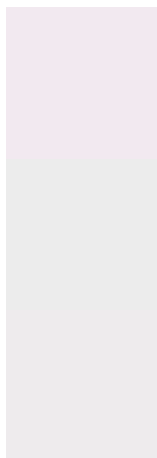
Deuteranomaly

83.2685, 0.3194, 0.3181

Tritanomaly

83.4217, 0.3114, 0.3150

Monochromacy



Original Color

83.4463, 0.3144, 0.3220

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.7082, 0.3135, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4463, 0.3144, 0.3220 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(242, 233, 240)` looks like.

```
.text, #text, p{  
    color:rgb(242, 233, 240)  
}
```

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(242, 233, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 233, 240) }
```

Border

The CSS property to change the border of an element to Yxy 83.4463, 0.3144, 0.3220 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(242, 233, 240) }
```

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

```
.border{ border-color:rgb(242, 233, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 233, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 233, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 233, 240);  
box-shadow:4px 4px 4px 4px rgb(242, 233,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4463, 0.3144, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 233, 240) }
```

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

```
.background{ background-color: rgb(242,  
233, 240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor