

Converting Colors

$Y_{xy}(82.9670, 0.3109, 0.3374)$

Have a look what the booklet for
Yxy(82.9670, 0.3109, 0.3374)
contains.

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Color

Yxy(83.1931, 0.3103, 0.3373)

Conversions

Conversions Part 1

Format	Color
Hex	E3EEE6
RGB	227, 238, 230
RGB Percent	89%, 93%, 90%
CMY	0.1099, 0.0666, 0.0979
CMYK	0.05, 0.00, 0.03, 0.07
HSL	137°, 25%, 91%
HSV	137°, 5%, 93%
XYZ	76.5337, 83.1931, 86.9174
YIQ	233.7990, -3.9880, -4.8200

Conversions

Conversions Part 2

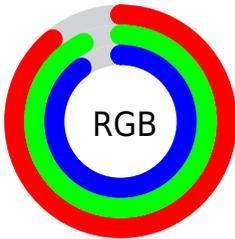
Format	Color
R_{YB}	227, 236, 238
Decimal	14937830
CIE _{Lab}	93.10, -5.09, 2.57
CIE _{LCh}	93, 5.701, 153.179
Yxy	83.1931, 0.3103, 0.3373
Android (android.graphics.Color)	4293127910 (0xFFE3EEE6)
YUV	233.7990, -1.8729, -5.9627
Hunter-Lab	91.2103, -9.8402, 7.3477

Details

The Yxy color **83.1931, 0.3103, 0.3373** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.0963, 0.3152, 0.3208**, and the grayscale version is **82.1370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3217, 0.3097, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **78.6725, 0.3051, 0.3569**, and if you desaturate by 10%, it is **88.3509, 0.3155, 0.3200**.

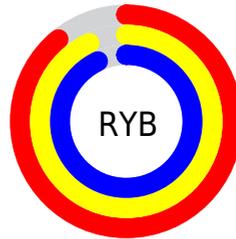
Distribution



Red (89%)

Green (93%)

Blue (90%)



Red (89%)

Yellow (93%)

Blue (93%)

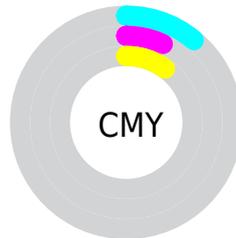


Cyan (5%)

Magenta (0%)

Yellow (3%)

Black (7%)



Cyan (11%)

Magenta (7%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1931, 0.3103, 0.3373 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 83.1931, 0.3103, 0.3373 by changing the saturation by 10% instead.

 83.1931, 0.3103,
0.3373

 83.1931, 0.3103,
0.3373

505.6298, 0.3114,
0.3335

 62.3495, 0.3100,
0.3381

137.8459, 0.3107,
0.3360

 45.3151, 0.3097,
0.3392

172.4238, 0.3108,
0.3355

 31.7057, 0.3094,
0.3405

212.3486, 0.3110,
0.3351

 21.1368, 0.3089,
0.3422

258.0047, 0.3111,
0.3347

 13.2241, 0.3082,
0.3445

309.7765, 0.3112,
0.3343

 7.5830, 0.3072,
0.3477

368.0484, 0.3113,

 3.8293, 0.3057,

0.3340

0.3526

433.2047, 0.3113,
0.3338

■ 1.5785, 0.3031,
0.3611

■ 0.3431, 0.2733,
0.4645

■ 83.1931, 0.3103,
0.3373

■ 83.1931, 0.3103,
0.3373

■ 78.6725, 0.3051,
0.3569

■ 88.3509, 0.3155,
0.3200

■ 74.7538, 0.3000,
0.3789

■ 89.6347, 0.3135,
0.3127

■ 71.4145, 0.2952,
0.4032

■ 68.6264, 0.2911,
0.4294

■ 66.3590, 0.2879,
0.4570

■ 64.5788, 0.2859,
0.4849

■ 63.2481, 0.2854,
0.5119

■ 62.3235, 0.2866,
0.5366

■ 61.7525, 0.2892,
0.5576

Harmonies

Analogous

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



83.1931, 0.3169, 0.3402



83.1931, 0.3103, 0.3373



83.1931, 0.3044, 0.3321

Triad

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



83.1931, 0.3103, 0.3373



83.1931, 0.3030, 0.3182



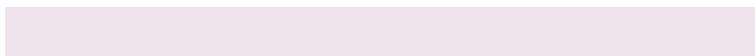
83.1931, 0.3249, 0.3316

Complementary

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



83.1931, 0.3103, 0.3373



79.0963, 0.3152, 0.3208

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.



83.1931, 0.3211, 0.3259



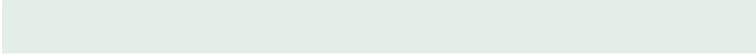
83.1931, 0.3103, 0.3373



83.1931, 0.3084, 0.3181

Square

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



83.1931, 0.3103, 0.3373



83.1931, 0.3002, 0.3211



83.1931, 0.3151, 0.3209



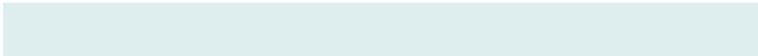
83.1931, 0.3254, 0.3368

Rectangle

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



83.1931, 0.3103, 0.3373



83.1931, 0.3016, 0.3282



83.1931, 0.3151, 0.3209



83.1931, 0.3240, 0.3297

Sweetspot

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



83.1967, 0.3103, 0.3373



99.4016, 0.3122, 0.3308



84.3727, 0.3176, 0.3404



21.2823, 0.3122, 0.3307



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.



83.1967, 0.3103, 0.3373



96.5218, 0.3096, 0.3399



83.5044, 0.3070, 0.3317



18.0166, 0.3093, 0.3410



34.3548, 0.2902, 0.5645



2.8743, 0.2830, 0.5388

Inverse Universe

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



79.0963, 0.3152, 0.3208



90.3525, 0.3160, 0.3184



78.7894, 0.3187, 0.3264



16.7485, 0.3164, 0.3173



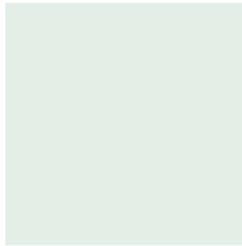
11.8211, 0.4065, 0.2013



1.0002, 0.3926, 0.1936

Previews

White Background



This preview shows how the Yxy color 83.1931, 0.3103, 0.3373 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 83.1931, 0.3103, 0.3373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

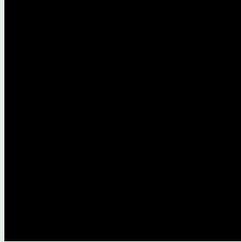
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

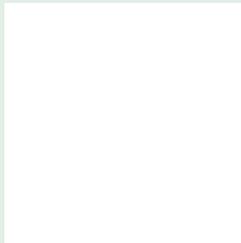
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1931, 0.3103, 0.3373

Background



This preview shows how black text looks on a background with the Yxy color 83.1931, 0.3103, 0.3373.



This preview shows how white text looks on a background with the Yxy color 83.1931, 0.3103, 0.3373.

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

83.1931, 0.3103, 0.3373

Protanopia

83.1478, 0.3213, 0.3351

Deuteranopia

83.1818, 0.3282, 0.3251



Tritanopia

83.4974, 0.2992, 0.3107

Trichromacy



Original Color

83.1931, 0.3103, 0.3373

Protanomaly

82.9067, 0.3171, 0.3352

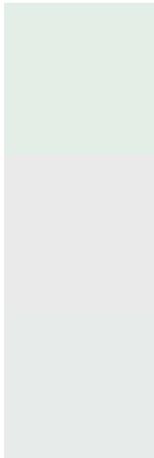
Deuteranomaly

82.9519, 0.3216, 0.3290

Tritanomaly

83.4065, 0.3033, 0.3198

Monochromacy



Original Color

83.1931, 0.3103, 0.3373

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.2888, 0.3113, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1931, 0.3103, 0.3373 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(227, 238, 230)` looks like.

```
.text, #text, p{  
    color:rgb(227, 238, 230)  
}
```

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(227, 238, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 238, 230) }
```

Border

The CSS property to change the border of an element to Yxy 83.1931, 0.3103, 0.3373 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(227, 238, 230) }
```

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

```
.border{ border-color:rgb(227, 238, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 238, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 238, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 238, 230); box-shadow:4px 4px 4px 4px rgb(227, 238, 230) }
```

Background

The CSS property to change the background color of an element to Yxy 83.1931, 0.3103, 0.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 238, 230) }
```

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

```
.background{ background-color: rgb(227,  
238, 230) }
```

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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