

Converting Colors

Yxy(83.5064, 0.3091, 0.3308)

Have a look what the booklet for
Yxy(83.5064, 0.3091, 0.3308)
contains.

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Color

Yxy(83.3895, 0.3093, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	E6EDEB
RGB	230, 237, 235
RGB Percent	90%, 93%, 92%
CMY	0.0982, 0.0705, 0.0785
CMYK	0.03, 0.00, 0.01, 0.07
HSL	163°, 16%, 92%
HSV	163°, 3%, 93%
XYZ	77.8990, 83.3895, 90.5674
YIQ	234.6790, -3.5300, -2.1060

Conversions

Conversions Part 2

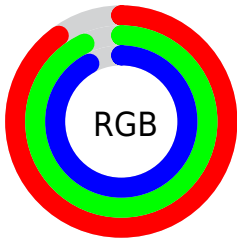
Format	Color
R _Y B	230, 234, 237
Decimal	15134187
CIE Lab	93.18, -2.71, 0.16
CIE LCh	93, 2.712, 176.643
Yxy	83.3895, 0.3093, 0.3311
Android (android.graphics.Color)	4293324267 (0xFFE6EDEB)
YUV	234.6790, 0.1583, -4.1035
Hunter-Lab	91.3179, -7.5361, 5.1197

Details

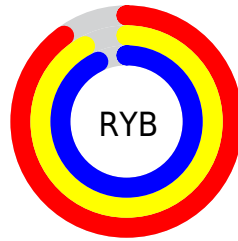
The Yxy color **83.3895, 0.3093, 0.3311** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.4042, 0.3163, 0.3269**, and the grayscale version is **82.8184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4164, 0.3092, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **79.3464, 0.2981, 0.3387**, and if you desaturate by 10%, it is **87.9881, 0.3208, 0.3243**.

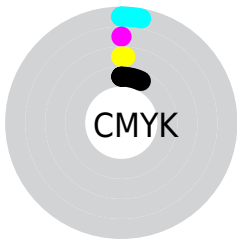
Distribution



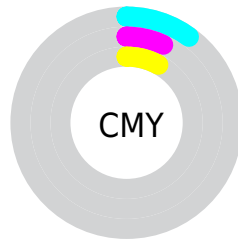
- Red (90%)
- Green (93%)
- Blue (92%)



- Red (90%)
- Yellow (92%)
- Blue (93%)



- Cyan (3%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)



- Cyan (10%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3895, 0.3093, 0.3311 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 83.3895, 0.3093, 0.3311 by changing the saturation by 10% instead.

83.3895, 0.3093,
0.3311

83.3895, 0.3093,
0.3311

506.2837, 0.3108,
0.3302

62.5115, 0.3090,
0.3313

138.1209, 0.3098,
0.3308

45.4461, 0.3085,
0.3316

172.7430, 0.3100,
0.3307

31.8090, 0.3080,
0.3319

212.7154, 0.3102,
0.3305

21.2156, 0.3073,
0.3323

258.4223, 0.3104,
0.3304

13.2817, 0.3064,
0.3329

310.2482, 0.3105,
0.3304

7.6228, 0.3051,
0.3336

368.5775, 0.3106,

3.8546, 0.3032,

0.3303

433.7945, 0.3107,
0.3302

0.3348

1.5925, 0.2999,
0.3368

0.3526, 0.2705,
0.3546

83.3895, 0.3093,
0.3311

83.3895, 0.3093,
0.3311

79.3464, 0.2981,
0.3387

87.9881, 0.3208,
0.3243

75.8267, 0.2874,
0.3470

88.6614, 0.3174,
0.3177

72.8109, 0.2775,
0.3561

89.0604, 0.3135,
0.3117

70.2742, 0.2688,
0.3658

■ 68.1900, 0.2615,
0.3761

■ 66.5285, 0.2559,
0.3869

■ 65.2567, 0.2522,
0.3979

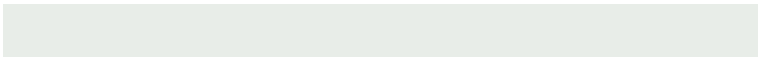
■ 64.3364, 0.2506,
0.4090

■ 63.7213, 0.2510,
0.4200

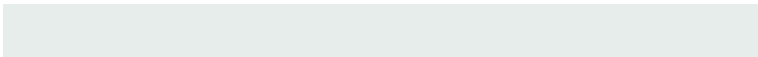
Harmonies

Analogous

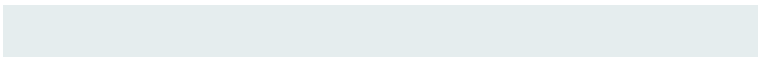
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3895, 0.3123, 0.3333



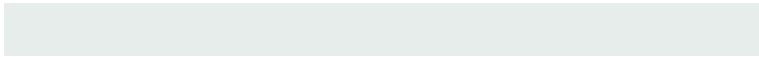
83.3895, 0.3093, 0.3311



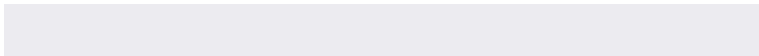
83.3895, 0.3072, 0.3283

Triad

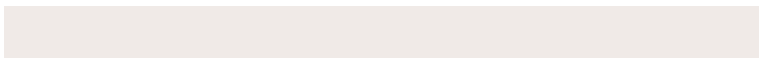
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3895, 0.3093, 0.3311



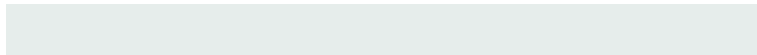
83.3895, 0.3101, 0.3237



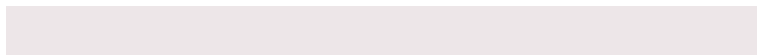
83.3895, 0.3188, 0.3323

Complementary

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



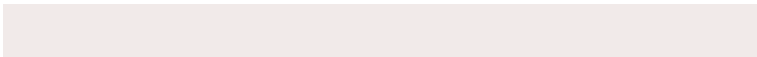
83.3895, 0.3093, 0.3311



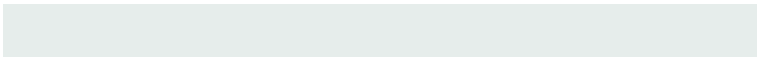
80.4042, 0.3163, 0.3269

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.



83.3895, 0.3182, 0.3297



83.3895, 0.3093, 0.3311



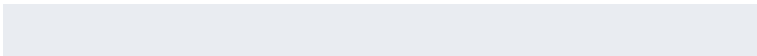
83.3895, 0.3132, 0.3248

Square

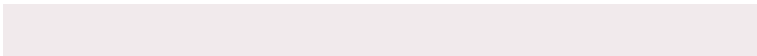
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3895, 0.3093, 0.3311



83.3895, 0.3077, 0.3240



83.3895, 0.3162, 0.3270



83.3895, 0.3178, 0.3340

Rectangle

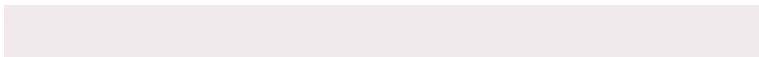
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



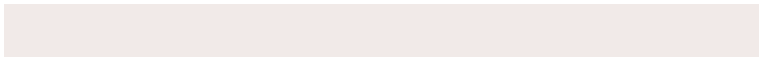
83.3895, 0.3093, 0.3311



83.3895, 0.3067, 0.3265



83.3895, 0.3162, 0.3270



83.3895, 0.3188, 0.3315

Sweetspot

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



83.3931, 0.3093, 0.3311



99.4721, 0.3116, 0.3297



83.4598, 0.3138, 0.3363



21.2967, 0.3116, 0.3297



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

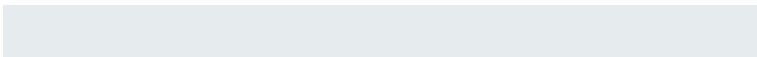
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3931, 0.3093, 0.3311



97.9277, 0.3081, 0.3319



82.6970, 0.3081, 0.3275



17.4521, 0.3073, 0.3324



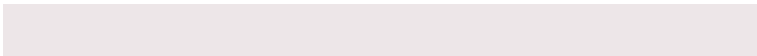
34.6430, 0.2516, 0.4258



2.7369, 0.2474, 0.4107

Inverse Universe

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



80.4042, 0.3163, 0.3269



93.2059, 0.3175, 0.3262



81.0779, 0.3175, 0.3305



16.4620, 0.3184, 0.3257



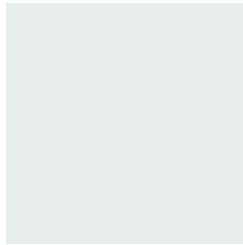
10.0816, 0.5796, 0.2966



0.8078, 0.5402, 0.2749

Previews

White Background



This preview shows how the Yxy color 83.3895, 0.3093, 0.3311 looks on a white background.

Color Contrast Check

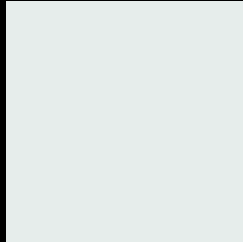
Large Text (above 18pt) WCAG AA × Fail

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 83.3895, 0.3093, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

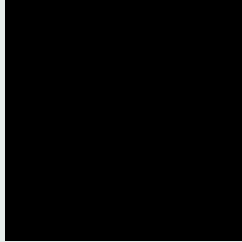
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

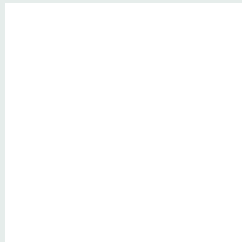
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3895, 0.3093, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 83.3895, 0.3093, 0.3311.

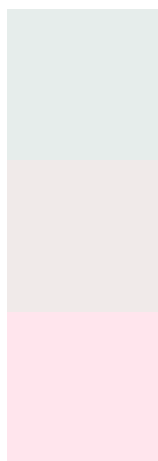


This preview shows how white text looks on a background with the Yxy color 83.3895, 0.3093, 0.3311.

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

83.3895, 0.3093, 0.3311

Protanopia

83.2541, 0.3174, 0.3300

Deuteranopia

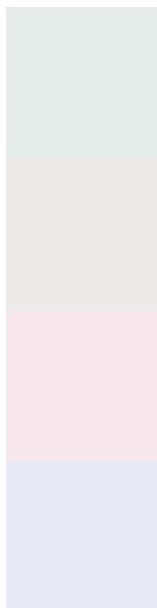
83.4130, 0.3255, 0.3212



Tritanopia

83.2611, 0.3005, 0.3098

Trichromacy



Original Color

83.3895, 0.3093, 0.3311

Protanomaly

83.1900, 0.3140, 0.3300

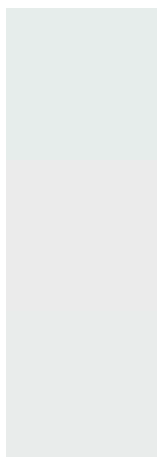
Deuteranomaly

83.3622, 0.3197, 0.3250

Tritanomaly

83.2263, 0.3040, 0.3178

Monochromacy



Original Color

83.3895, 0.3093, 0.3311

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.3127, 0.3113, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3895, 0.3093, 0.3311 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(230, 237, 235)` looks like.

```
.text, #text, p{  
    color:rgb(230, 237, 235)  
}
```

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(230, 237, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 237, 235) }
```

Border

The CSS property to change the border of an element to Yxy 83.3895, 0.3093, 0.3311 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(230, 237, 235) }
```

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

```
.border{ border-color:rgb(230, 237, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 237, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 237, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 237, 235);  
box-shadow:4px 4px 4px 4px rgb(230, 237,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3895, 0.3093, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 237, 235) }
```

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

```
.background{ background-color: rgb(230,  
237, 235) }
```

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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