

Converting Colors

$Y_{xy}(83.5079, 0.3133, 0.3324)$

Have a look what the booklet for
Yxy(83.5079, 0.3133, 0.3324)
contains.

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Color

Yxy(83.3665, 0.3132, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	EAECE9
RGB	234, 236, 233
RGB Percent	92%, 93%, 91%
CMY	0.0826, 0.0744, 0.0863
CMYK	0.01, 0.00, 0.01, 0.07
HSL	101°, 7%, 92%
HSV	101°, 1%, 93%
XYZ	78.6221, 83.3665, 89.0397
YIQ	235.0600, -0.2290, -1.3570

Conversions

Conversions Part 2

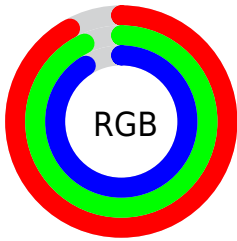
Format	Color
R_{YB}	233, 236, 235
Decimal	15396073
CIE Lab	93.17, -1.22, 1.21
CIE LCh	93, 1.716, 135.382
Yxy	83.3665, 0.3132, 0.3321
Android (android.graphics.Color)	4293586153 (0xFFEAECE9)
YUV	235.0600, -1.0156, -0.9296
Hunter-Lab	91.3053, -6.0796, 6.0948

Details

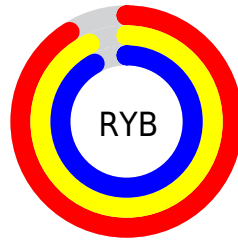
The Yxy color **83.3665, 0.3132, 0.3321** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.0126, 0.3122, 0.3259**, and the grayscale version is **83.1307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2818, 0.3134, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **79.4895, 0.3169, 0.3579**, and if you desaturate by 10%, it is **87.5786, 0.3104, 0.3105**.

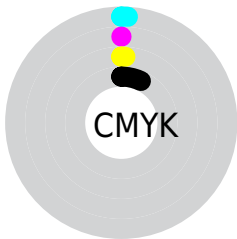
Distribution



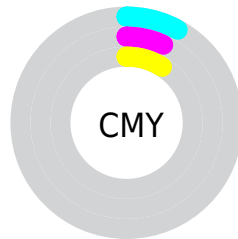
- Red (92%)
- Green (93%)
- Blue (91%)



- Red (91%)
- Yellow (93%)
- Blue (92%)



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



- Cyan (8%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3665, 0.3132, 0.3321 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 83.3665, 0.3132, 0.3321 by changing the saturation by 10% instead.

■ 83.3665, 0.3132,
0.3321

■ 83.3665, 0.3132,
0.3321

506.2072, 0.3130,
0.3307

■ 62.4925, 0.3132,
0.3324

138.0887, 0.3131,
0.3316

■ 45.4308, 0.3133,
0.3328

172.7056, 0.3131,
0.3314

■ 31.7969, 0.3134,
0.3333

212.6724, 0.3131,
0.3313

■ 21.2064, 0.3135,
0.3339

258.3734, 0.3131,
0.3311

■ 13.2750, 0.3136,
0.3347

310.1930, 0.3130,
0.3310

■ 7.6182, 0.3138,
0.3359

368.5155, 0.3130,

■ 3.8516, 0.3140,

0.3309

433.7255, 0.3130,
0.3308

0.3377

■ 1.5909, 0.3144,
0.3407

■ 0.3515, 0.3189,
0.3684

■ 83.3665, 0.3132,
0.3321

■ 83.3665, 0.3132,
0.3321

■ 79.4895, 0.3169,
0.3579

■ 87.5786, 0.3104,
0.3105

■ 76.0270, 0.3205,
0.3863

■ 88.4832, 0.3136,
0.3107

■ 72.9678, 0.3236,
0.4171

■ 70.2967, 0.3260,
0.4493

■ 67.9969, 0.3274,
0.4819

■ 66.0508, 0.3275,
0.5131

■ 64.4388, 0.3261,
0.5410

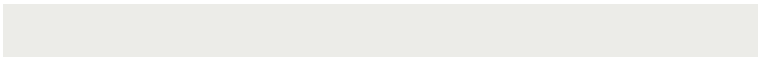
■ 63.1394, 0.3231,
0.5637

■ 62.1277, 0.3187,
0.5798

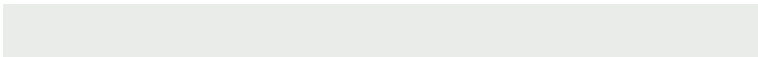
Harmonies

Analogous

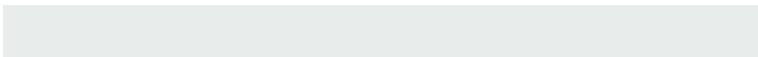
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3665, 0.3151, 0.3324



83.3665, 0.3132, 0.3321



83.3665, 0.3112, 0.3309

Triad

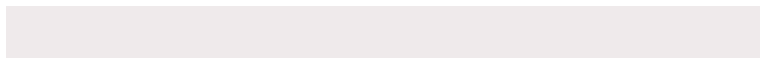
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3665, 0.3132, 0.3321



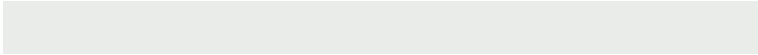
83.3665, 0.3092, 0.3262



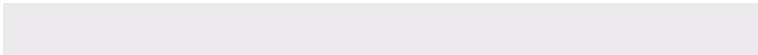
83.3665, 0.3158, 0.3288

Complementary

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



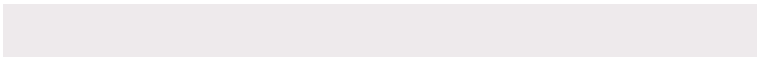
83.3665, 0.3132, 0.3321



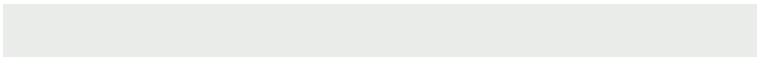
82.0126, 0.3122, 0.3259

Split Complementary

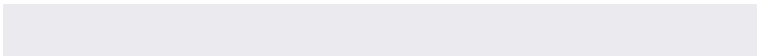
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.3665, 0.3142, 0.3271



83.3665, 0.3132, 0.3321



83.3665, 0.3104, 0.3256

Square

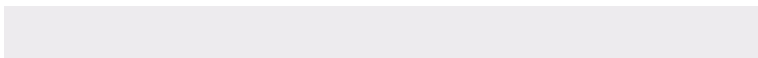
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



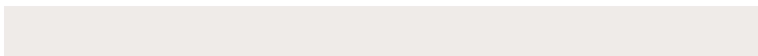
83.3665, 0.3132, 0.3321



83.3665, 0.3089, 0.3275



83.3665, 0.3122, 0.3260



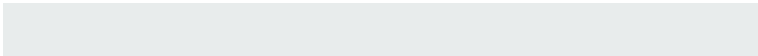
83.3665, 0.3166, 0.3305

Rectangle

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



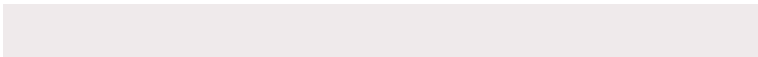
83.3665, 0.3132, 0.3321



83.3665, 0.3101, 0.3298



83.3665, 0.3122, 0.3260



83.3665, 0.3154, 0.3282

Sweetspot

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



83.3701, 0.3132, 0.3321

100.0000, 0.3127, 0.3290



83.1742, 0.3146, 0.3311



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

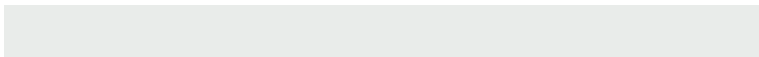
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3701, 0.3132, 0.3321



99.0171, 0.3135, 0.3339



83.2425, 0.3122, 0.3315



17.7210, 0.3134, 0.3336



33.9264, 0.3153, 0.5878



2.7135, 0.3257, 0.5796

Inverse Universe

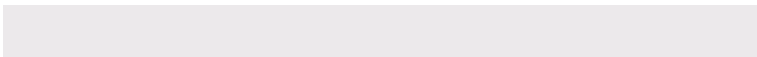
The Inverse Universe completely reimagines the original color for something new.



82.0126, 0.3122, 0.3259



96.4879, 0.3119, 0.3241



82.1416, 0.3132, 0.3265



17.2944, 0.3120, 0.3244



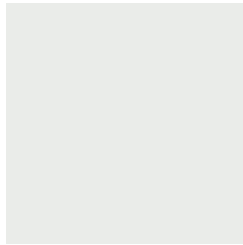
7.6565, 0.2433, 0.1114



0.6519, 0.2543, 0.1175

Previews

White Background



This preview shows how the Yxy color 83.3665, 0.3132, 0.3321 looks on a white background.

Color Contrast Check

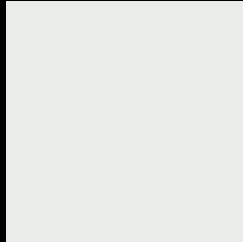
Large Text (above 18pt) WCAG AA × Fail

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 83.3665, 0.3132, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

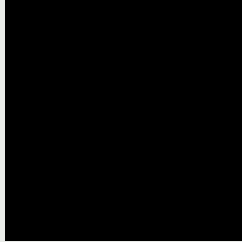
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

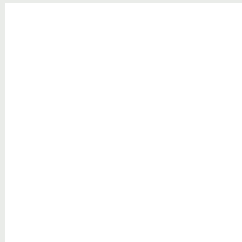
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3665, 0.3132, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 83.3665, 0.3132, 0.3321.

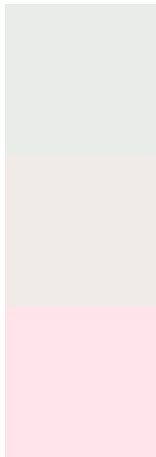


This preview shows how white text looks on a background with the Yxy color 83.3665, 0.3132, 0.3321.

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

83.3665, 0.3132, 0.3321

Protanopia

83.1971, 0.3180, 0.3311

Deuteranopia

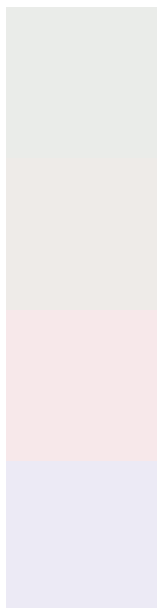
83.2968, 0.3268, 0.3231



Tritanopia

83.3106, 0.3037, 0.3099

Trichromacy



Original Color

83.3665, 0.3132, 0.3321

Protanomaly

83.4200, 0.3166, 0.3321

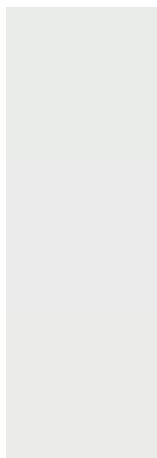
Deuteranomaly

83.4279, 0.3217, 0.3270

Tritanomaly

83.2711, 0.3073, 0.3178

Monochromacy



Original Color

83.3665, 0.3132, 0.3321

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.0193, 0.3133, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3665, 0.3132, 0.3321 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(234, 236, 233)` looks like.

```
.text, #text, p{  
    color:rgb(234, 236, 233)  
}
```

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(234, 236, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 236, 233) }
```

Border

The CSS property to change the border of an element to Yxy 83.3665, 0.3132, 0.3321 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(234, 236, 233) }
```

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

```
.border{ border-color:rgb(234, 236, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 236, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 236, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 236, 233);  
box-shadow:4px 4px 4px 4px rgb(234, 236,  
233) }
```

Background

The CSS property to change the background color of an element to Yxy 83.3665, 0.3132, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 236, 233) }
```

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

```
.background{ background-color: rgb(234,  
236, 233) }
```

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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