

Converting Colors

Yxy(81.8946, 0.3130, 0.3308)

Have a look what the booklet for
Yxy(81.8946, 0.3130, 0.3308)
contains.

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Color

Yxy(81.9955, 0.3133, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	E9EAE8
RGB	233, 234, 232
RGB Percent	91%, 92%, 91%
CMY	0.0863, 0.0823, 0.0903
CMYK	0.00, 0.00, 0.01, 0.08
HSL	90°, 5%, 91%
HSV	90°, 1%, 92%
XYZ	77.5874, 81.9955, 88.0628
YIQ	233.4730, 0.0460, -0.8340

Conversions

Conversions Part 2

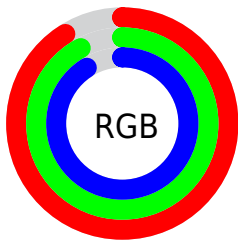
Format	Color
R _Y B	232, 234, 233
Decimal	15330024
CIE Lab	92.57, -0.70, 0.85
CIE LCh	93, 1.101, 129.152
Yxy	81.9955, 0.3133, 0.3311
Android (android.graphics.Color)	4293520104 (0xFFE9EAE8)
YUV	233.4730, -0.7262, -0.4148
Hunter-Lab	90.5514, -5.5202, 5.7254

Details

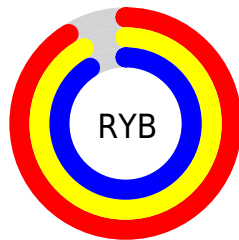
The Yxy color **81.9955, 0.3133, 0.3311** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.9643, 0.3121, 0.3269**, and the grayscale version is **81.8663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3225, 0.3135, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **78.8484, 0.3200, 0.3565**, and if you desaturate by 10%, it is **85.4334, 0.3069, 0.3083**.

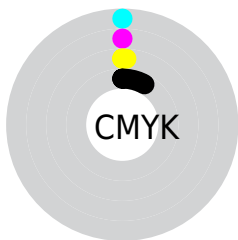
Distribution



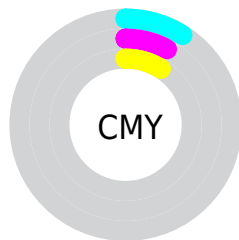
- Red (91%)
- Green (92%)
- Blue (91%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.9955, 0.3133, 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 81.9955, 0.3133, 0.3311 by changing the saturation by 10% instead.

■ 81.9955, 0.3133,
0.3311

■ 81.9955, 0.3133,
0.3311

501.6326, 0.3130,
0.3302

■ 61.3618, 0.3134,
0.3313

136.1677, 0.3132,
0.3308

■ 44.5172, 0.3134,
0.3316

170.4750, 0.3132,
0.3306

■ 31.0773, 0.3135,
0.3319

210.1090, 0.3131,
0.3305

■ 20.6578, 0.3136,
0.3323

255.4540, 0.3131,
0.3304

■ 12.8741, 0.3138,
0.3329

306.8945, 0.3131,
0.3304

■ 7.3419, 0.3140,
0.3337


364.8148, 0.3131,


■ 3.6768, 0.3143,


0.3303


0.3349

429.5994, 0.3131,
0.3302

 1.4945, 0.3149,
0.3370

 0.2848, 0.3216,
0.3610


 81.9955, 0.3133,
0.3311

 81.9955, 0.3133,
0.3311

 78.8484, 0.3200,
0.3565

 85.4334, 0.3069,
0.3083

 75.9966, 0.3267,
0.3840

 87.3319, 0.3137,
0.3088

 73.4334, 0.3329,
0.4132

 71.1484, 0.3384,
0.4432

■ 69.1300, 0.3426,
0.4732

■ 67.3660, 0.3452,
0.5015

■ 65.8428, 0.3458,
0.5268

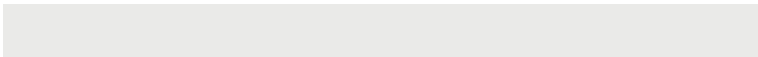
■ 64.5452, 0.3441,
0.5475

■ 63.4555, 0.3403,
0.5626

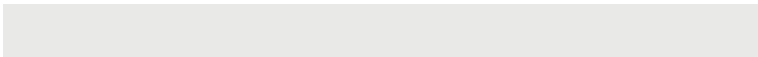
Harmonies

Analogous

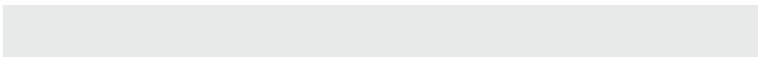
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9955, 0.3144, 0.3312



81.9955, 0.3133, 0.3311



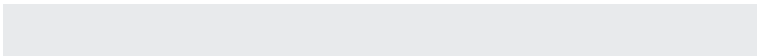
81.9955, 0.3120, 0.3304

Triad

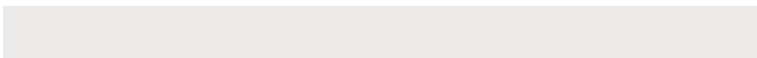
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.9955, 0.3133, 0.3311



81.9955, 0.3103, 0.3273



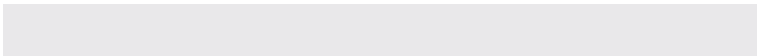
81.9955, 0.3145, 0.3286

Complementary

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



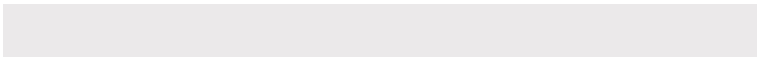
81.9955, 0.3133, 0.3311



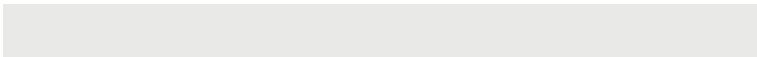
80.9643, 0.3121, 0.3269

Split Complementary

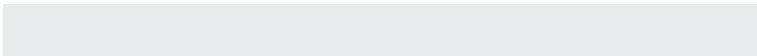
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.9955, 0.3134, 0.3276



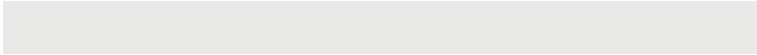
81.9955, 0.3133, 0.3311



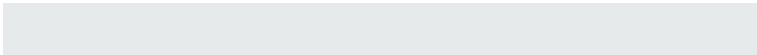
81.9955, 0.3110, 0.3269

Square

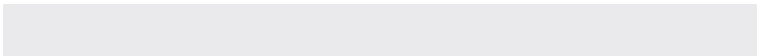
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



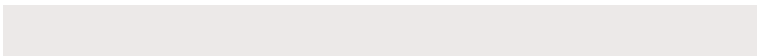
81.9955, 0.3133, 0.3311



81.9955, 0.3103, 0.3283



81.9955, 0.3121, 0.3270



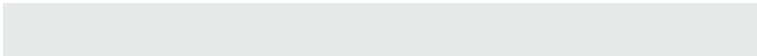
81.9955, 0.3152, 0.3298

Rectangle

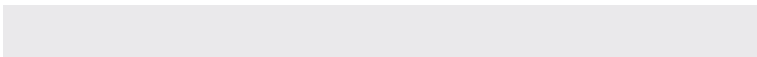
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.9955, 0.3133, 0.3311



81.9955, 0.3112, 0.3298



81.9955, 0.3121, 0.3270



81.9955, 0.3142, 0.3283

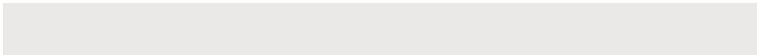
Sweetspot

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



81.9990, 0.3133, 0.3311

100.0000, 0.3127, 0.3290



81.5935, 0.3140, 0.3301



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

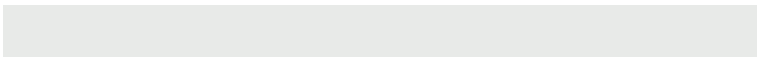
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9990, 0.3133, 0.3311



99.5953, 0.3134, 0.3314



81.8287, 0.3126, 0.3311



17.8185, 0.3134, 0.3313



35.2587, 0.3366, 0.5710



2.8258, 0.3470, 0.5627

Inverse Universe

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



80.9643, 0.3121, 0.3269



98.1433, 0.3120, 0.3266



81.1356, 0.3128, 0.3269



17.5737, 0.3121, 0.3267



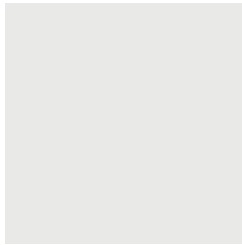
5.5478, 0.2027, 0.0890



0.4928, 0.2176, 0.0973

Previews

White Background



This preview shows how the Yxy color 81.9955, 0.3133, 0.3311 looks on a white background.

Color Contrast Check

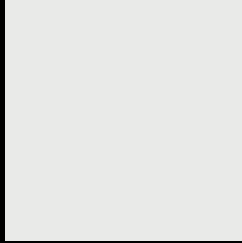
Large Text (above 18pt) WCAG AA × Fail

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 81.9955, 0.3133, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

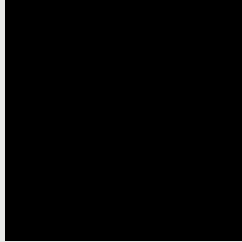
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

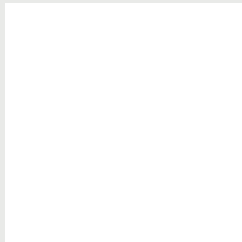
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.9955, 0.3133, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 81.9955, 0.3133, 0.3311.

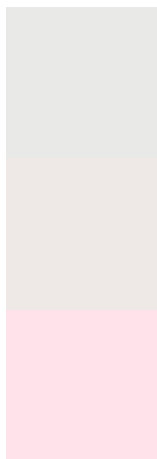


This preview shows how white text looks on a background with the Yxy color 81.9955, 0.3133, 0.3311.

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

81.9955, 0.3133, 0.3311

Protanopia

81.6599, 0.3174, 0.3300

Deuteranopia

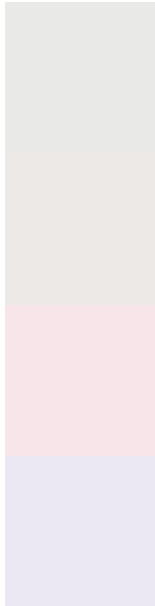
81.5932, 0.3278, 0.3211



Tritanopia

81.8868, 0.3043, 0.3098

Trichromacy



Original Color

81.9955, 0.3133, 0.3311

Protanomaly

81.8802, 0.3160, 0.3311

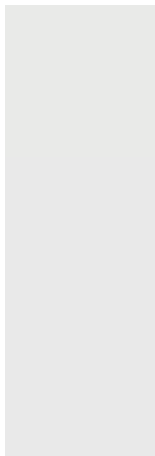
Deuteranomaly

81.6960, 0.3226, 0.3250

Tritanomaly

81.8465, 0.3079, 0.3178

Monochromacy



Original Color

81.9955, 0.3133, 0.3311

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.4847, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.9955, 0.3133, 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(233, 234, 232)` looks like.

```
.text, #text, p{  
    color:rgb(233, 234, 232)  
}
```

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(233, 234, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 234, 232) }
```

Border

The CSS property to change the border of an element to Yxy 81.9955, 0.3133, 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(233, 234, 232) }
```

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

```
.border{ border-color:rgb(233, 234, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 234, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 234, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 234, 232);  
box-shadow:4px 4px 4px 4px rgb(233, 234,  
232) }
```

Background

The CSS property to change the background color of an element to Yxy 81.9955, 0.3133, 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(233, 234, 232) }
```

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

```
.background{ background-color: rgb(233,  
234, 232) }
```

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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