

Converting Colors

Yxy(82.8574, 0.3125, 0.3330)

Have a look what the booklet for
Yxy(82.8574, 0.3125, 0.3330)
contains.

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Color

Yxy(82.9729, 0.3125, 0.3331)

Conversions

Conversions Part 1

Format	Color
Hex	E8ECE8
RGB	232, 236, 232
RGB Percent	91%, 93%, 91%
CMY	0.0902, 0.0745, 0.0901
CMYK	0.02, 0.00, 0.02, 0.07
HSL	121°, 10%, 92%
HSV	121°, 2%, 93%
XYZ	77.8416, 82.9729, 88.2786
YIQ	234.3480, -1.1000, -2.0920

Conversions

Conversions Part 2

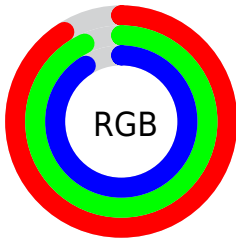
Format	Color
R _Y B	232, 236, 236
Decimal	15265000
CIE Lab	93.00, -2.04, 1.44
CIE LCh	93, 2.497, 144.700
Yxy	82.9729, 0.3125, 0.3331
Android (android.graphics.Color)	4293455080 (0xFFE8ECE8)
YUV	234.3480, -1.1576, -2.0592
Hunter-Lab	91.0895, -6.8673, 6.3022

Details

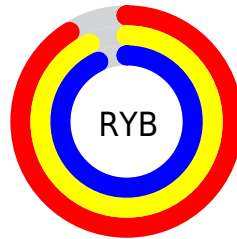
The Yxy color **82.9729, 0.3125, 0.3331** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.5987, 0.3129, 0.3249**, and the grayscale version is **82.5692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0072, 0.3125, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **78.0463, 0.3111, 0.3593**, and if you desaturate by 10%, it is **88.4734, 0.3136, 0.3107**.

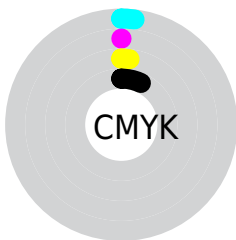
Distribution



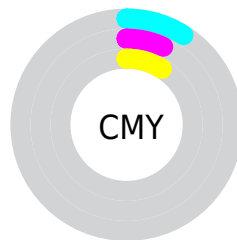
- Red (91%)
- Green (93%)
- Blue (91%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9729, 0.3125, 0.3331 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 82.9729, 0.3125, 0.3331 by changing the saturation by 10% instead.

■ 82.9729, 0.3125,
0.3331

■ 82.9729, 0.3125,
0.3331

504.8962, 0.3126,
0.3313

■ 62.1678, 0.3125,
0.3335

137.5375, 0.3125,
0.3325

■ 45.1683, 0.3124,
0.3340

172.0658, 0.3126,
0.3322

■ 31.5900, 0.3124,
0.3347

211.9373, 0.3126,
0.3320

■ 21.0485, 0.3124,
0.3355

257.5363, 0.3126,
0.3318

■ 13.1595, 0.3123,
0.3366

309.2473, 0.3126,
0.3316

■ 7.5385, 0.3122,
0.3382

367.4547, 0.3126,

■ 3.8011, 0.3120,

0.3315

0.3405

432.5429, 0.3126,
0.3314

■ 1.5629, 0.3118,
0.3446

■ 0.3324, 0.3097,
0.3867

■ 82.9729, 0.3125,
0.3331

■ 82.9729, 0.3125,
0.3331

■ 78.0463, 0.3111,
0.3593

■ 88.4734, 0.3136,
0.3107

■ 73.7955, 0.3096,
0.3890

■ 70.1943, 0.3079,
0.4218

■ 67.2106, 0.3062,
0.4570

■ 64.8099, 0.3045,
0.4929

■ 62.9540, 0.3029,
0.5272

■ 61.6003, 0.3015,
0.5570

■ 60.6999, 0.3006,
0.5797

■ 60.1940, 0.3001,
0.5939

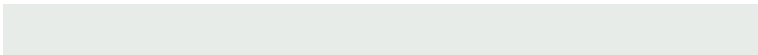
Harmonies

Analogous

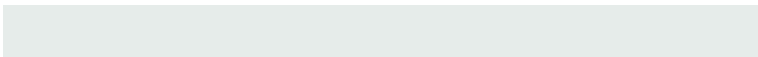
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9729, 0.3153, 0.3340



82.9729, 0.3125, 0.3331



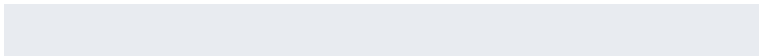
82.9729, 0.3097, 0.3311

Triad

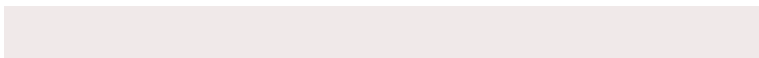
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.9729, 0.3125, 0.3331



82.9729, 0.3080, 0.3245



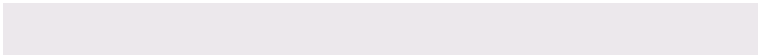
82.9729, 0.3177, 0.3295

Complementary

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



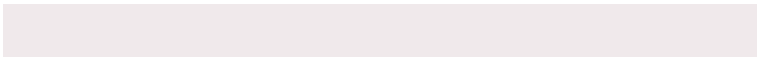
82.9729, 0.3125, 0.3331



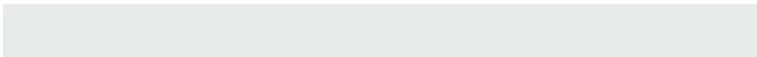
81.5987, 0.3129, 0.3249

Split Complementary

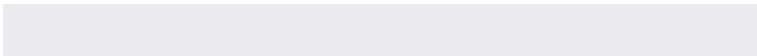
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.9729, 0.3157, 0.3270



82.9729, 0.3125, 0.3331



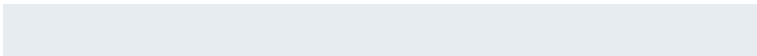
82.9729, 0.3101, 0.3241

Square

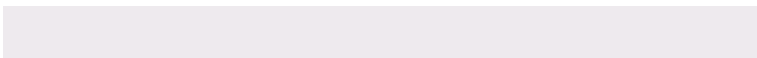
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



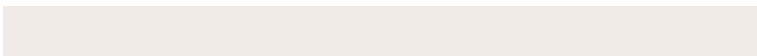
82.9729, 0.3125, 0.3331



82.9729, 0.3071, 0.3261



82.9729, 0.3129, 0.3250



82.9729, 0.3184, 0.3319

Rectangle

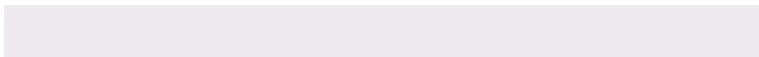
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



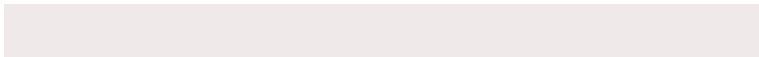
82.9729, 0.3125, 0.3331



82.9729, 0.3083, 0.3294



82.9729, 0.3129, 0.3250



82.9729, 0.3172, 0.3286

Sweetspot

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



82.9765, 0.3125, 0.3331



99.3578, 0.3126, 0.3314



83.6530, 0.3152, 0.3331



21.2734, 0.3126, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

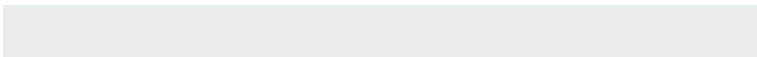
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9765, 0.3125, 0.3331



98.7242, 0.3125, 0.3339



83.0890, 0.3113, 0.3311



17.6715, 0.3125, 0.3336



33.0716, 0.2998, 0.5994



2.5977, 0.2994, 0.5978

Inverse Universe

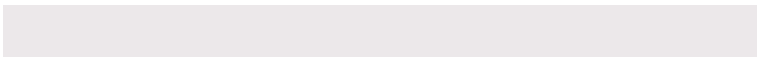
The Inverse Universe completely reimagines the original color for something new.



81.5987, 0.3129, 0.3249



96.7862, 0.3130, 0.3242



81.4849, 0.3142, 0.3269



17.3446, 0.3130, 0.3245



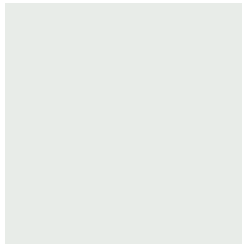
13.1025, 0.3231, 0.1554



1.0296, 0.3228, 0.1552

Previews

White Background



This preview shows how the Yxy color 82.9729, 0.3125, 0.3331 looks on a white background.

Color Contrast Check

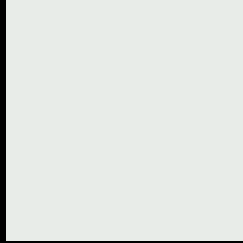
Large Text (above 18pt) WCAG AA × Fail

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 82.9729, 0.3125, 0.3331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

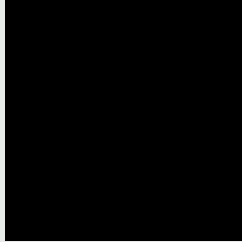
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

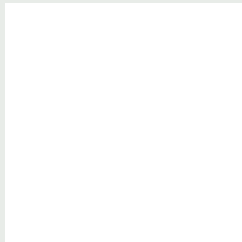
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.9729, 0.3125, 0.3331

Background



This preview shows how black text looks on a background with the Yxy color 82.9729, 0.3125, 0.3331.

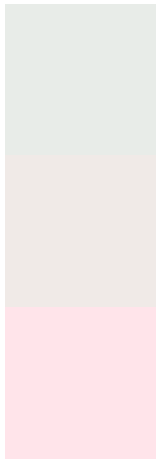


This preview shows how white text looks on a background with the Yxy color 82.9729, 0.3125, 0.3331.

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

82.9729, 0.3125, 0.3331

Protanopia

83.1404, 0.3187, 0.3321

Deuteranopia

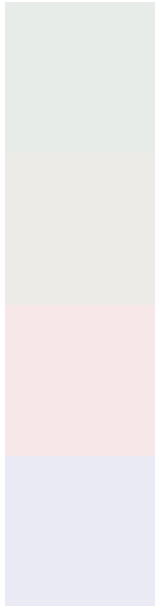
82.6873, 0.3276, 0.3231



Tritanopia

82.9050, 0.3030, 0.3108

Trichromacy



Original Color

82.9729, 0.3125, 0.3331

Protanomaly

83.1907, 0.3166, 0.3331

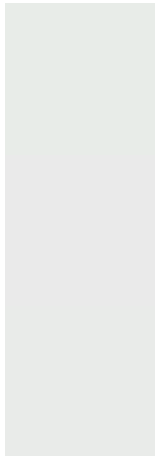
Deuteranomaly

82.8092, 0.3224, 0.3270

Tritanomaly

82.8697, 0.3065, 0.3188

Monochromacy



Original Color

82.9729, 0.3125, 0.3331

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.6235, 0.3126, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9729, 0.3125, 0.3331 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(232, 236, 232)` looks like.

```
.text, #text, p{  
    color:rgb(232, 236, 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(232, 236, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 236, 232) }
```

Border

The CSS property to change the border of an element to Yxy 82.9729, 0.3125, 0.3331 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(232, 236, 232) }
```

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

```
.border{ border-color:rgb(232, 236, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 236, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 236, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 236, 232);  
box-shadow:4px 4px 4px 4px rgb(232, 236,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9729, 0.3125, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 236, 232) }
```

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

```
.background{ background-color: rgb(232,  
236, 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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