

Converting Colors

$Y_{xy}(82.9670, 0.3140, 0.3364)$

Have a look what the booklet for
Yxy(82.9670, 0.3140, 0.3364)
contains.

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Color

Yxy(82.8039, 0.3144, 0.3363)

Conversions

Conversions Part 1

Format	Color
Hex	E8ECE5
RGB	232, 236, 229
RGB Percent	91%, 93%, 90%
CMY	0.0902, 0.0745, 0.1021
CMYK	0.02, 0.00, 0.03, 0.07
HSL	94°, 16%, 91%
HSV	94°, 3%, 93%
XYZ	77.4117, 82.8039, 86.0048
YIQ	234.0060, -0.1370, -3.0250

Conversions

Conversions Part 2

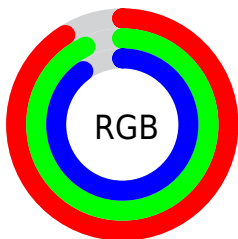
Format	Color
R _Y B	229, 236, 233
Decimal	15264997
CIE Lab	92.93, -2.58, 2.93
CIE LCh	93, 3.905, 131.377
Yxy	82.8039, 0.3144, 0.3363
Android (android.graphics.Color)	4293455077 (0xFFE8ECE5)
YUV	234.0060, -2.4680, -1.7593
Hunter-Lab	90.9966, -7.3926, 7.6602

Details

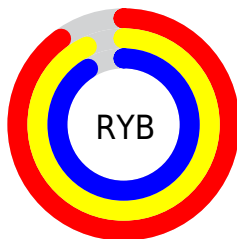
The Yxy color **82.8039, 0.3144, 0.3363** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.3964, 0.3110, 0.3217**, and the grayscale version is **82.3035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9286, 0.3141, 0.3370** is the 20% darker color. If you saturate the color by 10%, you get **79.4125, 0.3200, 0.3623**, and if you desaturate by 10%, it is **86.5539, 0.3088, 0.3127**.

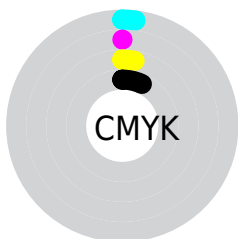
Distribution



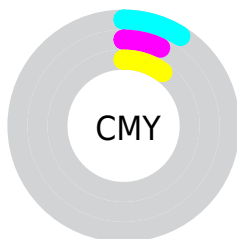
- Red (91%)
- Green (93%)
- Blue (90%)



- Red (90%)
- Yellow (93%)
- Blue (91%)



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8039, 0.3144, 0.3363 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 82.8039, 0.3144, 0.3363 by changing the saturation by 10% instead.

■ 82.8039, 0.3144,
0.3363

■ 82.8039, 0.3144,
0.3363

504.3327, 0.3136,
0.3330

■ 62.0284, 0.3146,
0.3370

137.3008, 0.3141,
0.3352

■ 45.0556, 0.3148,
0.3380

171.7909, 0.3140,
0.3347

■ 31.5013, 0.3150,
0.3391

211.6214, 0.3140,
0.3343

■ 20.9808, 0.3153,
0.3406

257.1766, 0.3139,
0.3340

■ 13.1100, 0.3158,
0.3426

308.8410, 0.3138,
0.3337

■ 7.5043, 0.3164,
0.3454

366.9989, 0.3138,

■ 3.7795, 0.3173,

0.3334

0.3497

432.0346, 0.3137,
0.3332

■ 1.5510, 0.3187,
0.3571

■ 0.3242, 0.3417,
0.4519

■ 82.8039, 0.3144,
0.3363

■ 82.8039, 0.3144,
0.3363

■ 79.4125, 0.3200,
0.3623

■ 86.5539, 0.3088,
0.3127

■ 76.3580, 0.3254,
0.3906

■ 88.4771, 0.3136,
0.3107

■ 73.6323, 0.3304,
0.4206

■ 71.2230, 0.3345,
0.4516

■ 69.1169, 0.3373,
0.4824

■ 67.2997, 0.3386,
0.5114

■ 65.7557, 0.3379,
0.5370

■ 64.4670, 0.3351,
0.5575

■ 63.4132, 0.3305,
0.5719

Harmonies

Analogous

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



82.8039, 0.3185, 0.3368



82.8039, 0.3144, 0.3363



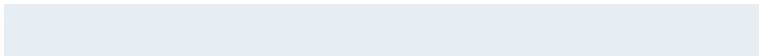
82.8039, 0.3099, 0.3338

Triad

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



82.8039, 0.3144, 0.3363



82.8039, 0.3044, 0.3229



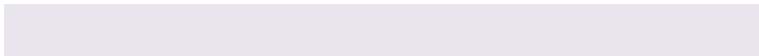
82.8039, 0.3194, 0.3279

Complementary

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



82.8039, 0.3144, 0.3363



79.3964, 0.3110, 0.3217

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.



82.8039, 0.3156, 0.3243



82.8039, 0.3144, 0.3363



82.8039, 0.3069, 0.3213

Square

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



82.8039, 0.3144, 0.3363



82.8039, 0.3041, 0.3260



82.8039, 0.3110, 0.3219



82.8039, 0.3214, 0.3319

Rectangle

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



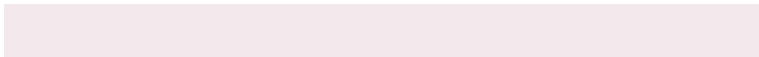
82.8039, 0.3144, 0.3363



82.8039, 0.3072, 0.3314



82.8039, 0.3110, 0.3219



82.8039, 0.3183, 0.3266

Sweetspot

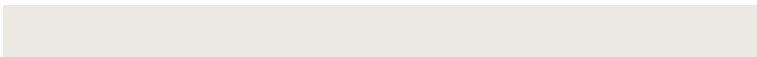
The Sweet Spot groups the original color and five complimentary colors.



82.8075, 0.3144, 0.3363



99.5623, 0.3133, 0.3314



81.7438, 0.3173, 0.3331



21.3150, 0.3133, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

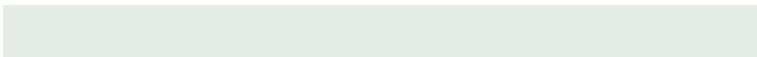
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8075, 0.3144, 0.3363



98.2746, 0.3150, 0.3389



82.3309, 0.3121, 0.3358



17.5245, 0.3154, 0.3407



34.6829, 0.3277, 0.5780



2.7792, 0.3386, 0.5694

Inverse Universe

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



79.3964, 0.3110, 0.3217



92.8411, 0.3104, 0.3192



79.8836, 0.3134, 0.3222



16.3852, 0.3099, 0.3174



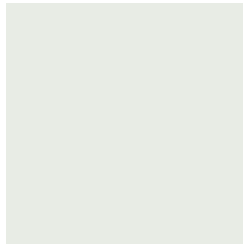
6.2316, 0.2167, 0.0968



0.5459, 0.2306, 0.1044

Previews

White Background



This preview shows how the Yxy color 82.8039, 0.3144, 0.3363 looks on a white background.

Color Contrast Check

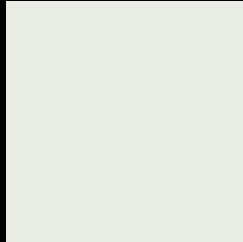
Large Text (above 18pt) WCAG AA × Fail

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 82.8039, 0.3144, 0.3363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

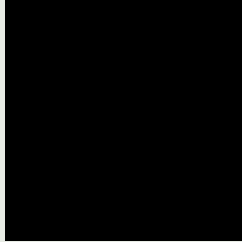
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

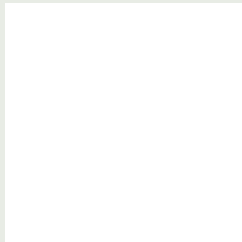
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8039, 0.3144, 0.3363

Background



This preview shows how black text looks on a background with the Yxy color 82.8039, 0.3144, 0.3363.

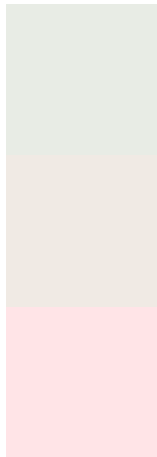


This preview shows how white text looks on a background with the Yxy color 82.8039, 0.3144, 0.3363.

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

82.8039, 0.3144, 0.3363

Protanopia

82.9723, 0.3206, 0.3352

Deuteranopia

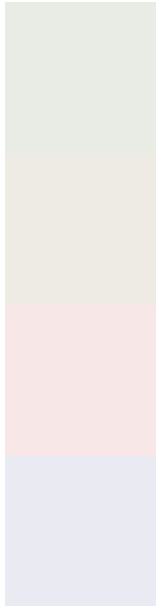
82.5163, 0.3296, 0.3261



Tritanopia

82.9050, 0.3030, 0.3108

Trichromacy



Original Color

82.8039, 0.3144, 0.3363

Protanomaly

83.0226, 0.3184, 0.3362

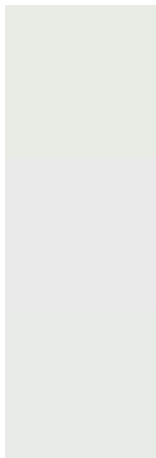
Deuteranomaly

82.6392, 0.3244, 0.3300

Tritanomaly

82.8091, 0.3072, 0.3198

Monochromacy



Original Color

82.8039, 0.3144, 0.3363

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.5665, 0.3132, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8039, 0.3144, 0.3363 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(232, 236, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 236, 229) }
```

Border

The CSS property to change the border of an element to Yxy 82.8039, 0.3144, 0.3363 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, 229) }
```

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

```
.border{ border-color:rgb(232, 236, 229) }
```

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, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 236, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 236, 229);  
box-shadow:4px 4px 4px 4px rgb(232, 236,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8039, 0.3144, 0.3363 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, 229) }
```

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

```
.background{ background-color: rgb(232,  
236, 229) }
```

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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