

Converting Colors

$Yxy(82.2898, 0.3082, 0.3325)$

Have a look what the booklet for
Yxy(82.2898, 0.3082, 0.3325)
contains.

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Color

Yxy(82.0428, 0.3079, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	E2ECE9
RGB	226, 236, 233
RGB Percent	89%, 93%, 91%
CMY	0.1138, 0.0745, 0.0862
CMYK	0.04, 0.00, 0.01, 0.07
HSL	162°, 21%, 91%
HSV	162°, 4%, 93%
XYZ	76.0644, 82.0428, 88.9353
YIQ	232.6680, -4.9970, -3.0530

Conversions

Conversions Part 2

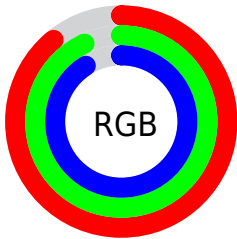
Format	Color
R _Y B	226, 232, 236
Decimal	14871785
CIE Lab	92.59, -3.86, 0.28
CIE LCh	93, 3.873, 175.904
Yxy	82.0428, 0.3079, 0.3321
Android (android.graphics.Color)	4293061865 (0xFFE2ECE9)
YUV	232.6680, 0.1637, -5.8478
Hunter-Lab	90.5775, -8.6114, 5.1892

Details

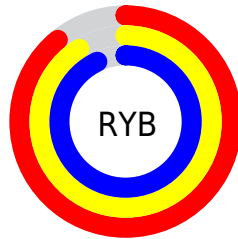
The Yxy color **82.0428, 0.3079, 0.3321** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.8697, 0.3178, 0.3259**, and the grayscale version is **81.2250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4748, 0.3074, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **78.0969, 0.2968, 0.3400**, and if you desaturate by 10%, it is **86.5368, 0.3193, 0.3250**.

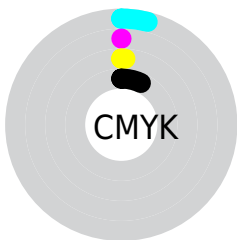
Distribution



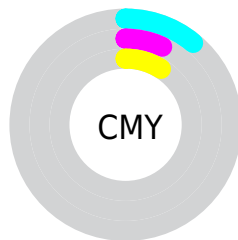
- Red (89%)
- Green (93%)
- Blue (91%)



- Red (89%)
- Yellow (91%)
- Blue (93%)



- Cyan (4%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0428, 0.3079, 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 82.0428, 0.3079, 0.3321 by changing the saturation by 10% instead.

■ 82.0428, 0.3079,
0.3321

■ 82.0428, 0.3079,
0.3321

501.7908, 0.3101,
0.3307

■ 61.4008, 0.3074,
0.3324

136.2340, 0.3087,
0.3316

■ 44.5487, 0.3068,
0.3328

170.5520, 0.3089,
0.3314

■ 31.1021, 0.3061,
0.3333

210.1975, 0.3092,
0.3313

■ 20.6766, 0.3051,
0.3339

255.5549, 0.3094,
0.3311

■ 12.8878, 0.3038,
0.3347

307.0085, 0.3096,
0.3310

■ 7.3514, 0.3019,
0.3359

364.9428, 0.3098,

■ 3.6828, 0.2991,

0.3309

429.7421, 0.3099,
0.3308

0.3377

■ 1.4977, 0.2944,
0.3408

■ 0.2871, 0.2353,
0.3783

■ 82.0428, 0.3079,
0.3321

■ 82.0428, 0.3079,
0.3321

■ 78.0969, 0.2968,
0.3400

■ 86.5368, 0.3193,
0.3250

■ 74.6671, 0.2863,
0.3486

■ 87.9762, 0.3185,
0.3183

■ 71.7340, 0.2767,
0.3580

■ 88.4181, 0.3141,
0.3116

■ 69.2728, 0.2682,
0.3682

■ 88.4766, 0.3136,
0.3107

■ 67.2566, 0.2611,
0.3788

■ 65.6558, 0.2559,
0.3899

■ 64.4370, 0.2525,
0.4013

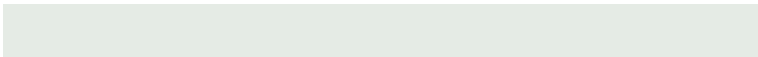
■ 63.5617, 0.2512,
0.4127

■ 62.9827, 0.2519,
0.4240

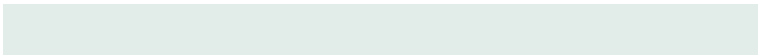
Harmonies

Analogous

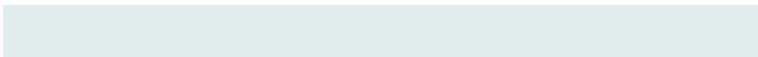
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0428, 0.3122, 0.3353



82.0428, 0.3079, 0.3321



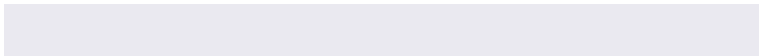
82.0428, 0.3049, 0.3281

Triad

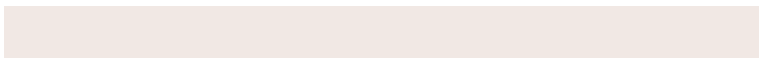
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.0428, 0.3079, 0.3321



82.0428, 0.3088, 0.3214



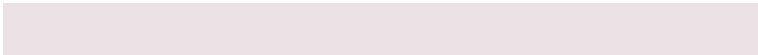
82.0428, 0.3215, 0.3336

Complementary

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



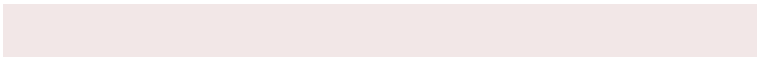
82.0428, 0.3079, 0.3321



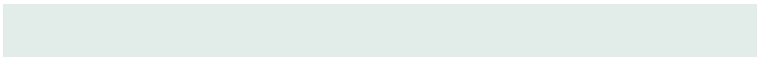
77.8697, 0.3178, 0.3259

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.



82.0428, 0.3206, 0.3299



82.0428, 0.3079, 0.3321



82.0428, 0.3132, 0.3229

Square

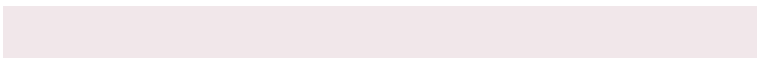
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



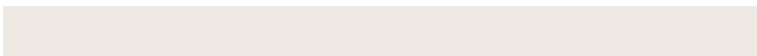
82.0428, 0.3079, 0.3321



82.0428, 0.3054, 0.3219



82.0428, 0.3175, 0.3260



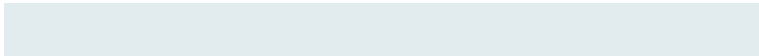
82.0428, 0.3201, 0.3361

Rectangle

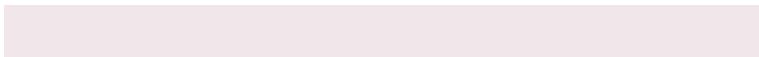
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



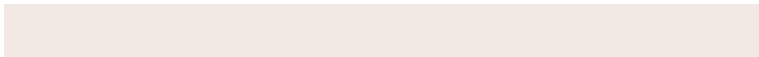
82.0428, 0.3079, 0.3321



82.0428, 0.3041, 0.3255



82.0428, 0.3175, 0.3260



82.0428, 0.3215, 0.3324

Sweetspot

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



82.0463, 0.3079, 0.3321



99.4708, 0.3116, 0.3297



82.1422, 0.3142, 0.3395



21.2964, 0.3116, 0.3297



0.0000, 0.0000, 0.0000



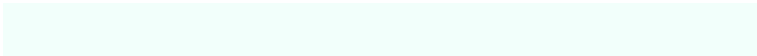
21.4041, 0.3127, 0.3290

Same Dimension

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



82.0463, 0.3079, 0.3321



97.4196, 0.3070, 0.3327



81.0693, 0.3061, 0.3269



17.3670, 0.3063, 0.3332



34.6053, 0.2524, 0.4286



2.7341, 0.2481, 0.4131

Inverse Universe

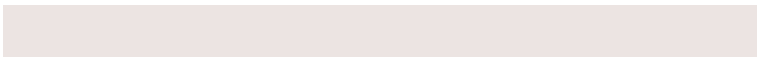
The Inverse Universe completely reimagines the original color for something new.



77.8697, 0.3178, 0.3259



91.5696, 0.3187, 0.3254



78.8020, 0.3196, 0.3311



16.1890, 0.3196, 0.3249



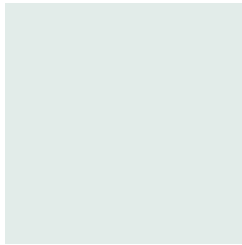
10.0948, 0.5768, 0.2951



0.8091, 0.5374, 0.2734

Previews

White Background



This preview shows how the Yxy color 82.0428, 0.3079, 0.3321 looks on a white background.

Color Contrast Check

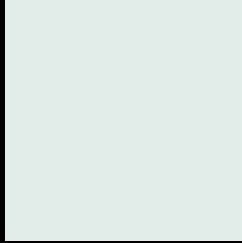
Large Text (above 18pt) WCAG AA × Fail

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 82.0428, 0.3079, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

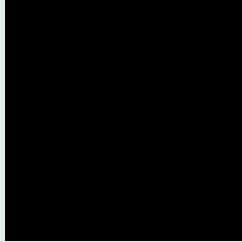
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

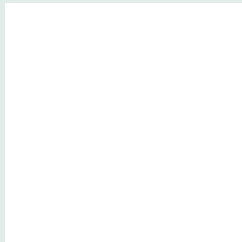
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.0428, 0.3079, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 82.0428, 0.3079, 0.3321.

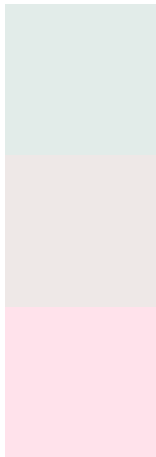


This preview shows how white text looks on a background with the Yxy color 82.0428, 0.3079, 0.3321.

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

82.0428, 0.3079, 0.3321

Protanopia

81.6599, 0.3174, 0.3300

Deuteranopia

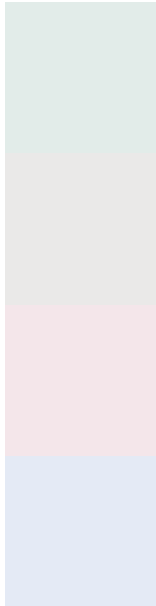
81.6509, 0.3271, 0.3201



Tritanopia

81.9641, 0.2985, 0.3096

Trichromacy



Original Color

82.0428, 0.3079, 0.3321

Protanomaly

81.5964, 0.3140, 0.3300

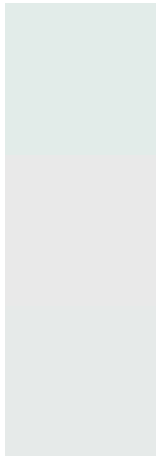
Deuteranomaly

81.7672, 0.3198, 0.3250

Tritanomaly

81.9322, 0.3020, 0.3177

Monochromacy



Original Color

82.0428, 0.3079, 0.3321

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.5518, 0.3107, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.0428, 0.3079, 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(226, 236, 233)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 236, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 236, 233) }
```

Border

The CSS property to change the border of an element to Yxy 82.0428, 0.3079, 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(226, 236, 233) }
```

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

```
.border{ border-color:rgb(226, 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(226, 236, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 236, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 236, 233);  
box-shadow:4px 4px 4px 4px rgb(226, 236,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 82.0428, 0.3079, 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(226, 236, 233) }
```

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

```
.background{ background-color: rgb(226,  
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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