

Converting Colors

Yxy(82.6152, 0.3087, 0.3329)

Have a look what the booklet for
Yxy(82.6152, 0.3087, 0.3329)
contains.

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Color

Yxy(82.7825, 0.3086, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	E3EDE9
RGB	227, 237, 233
RGB Percent	89%, 93%, 91%
CMY	0.1097, 0.0706, 0.0864
CMYK	0.04, 0.00, 0.02, 0.07
HSL	156°, 22%, 91%
HSV	156°, 4%, 93%
XYZ	76.6707, 82.7825, 88.9937
YIQ	233.5540, -4.6760, -3.3640

Conversions

Conversions Part 2

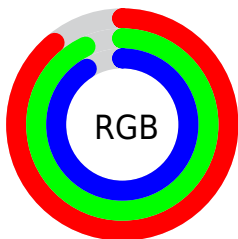
Format	Color
R _Y B	227, 233, 237
Decimal	14937577
CIE Lab	92.92, -4.04, 0.80
CIE LCh	93, 4.113, 168.831
Yxy	82.7825, 0.3086, 0.3332
Android (android.graphics.Color)	4293127657 (0xFFE3EDE9)
YUV	233.5540, -0.2731, -5.7479
Hunter-Lab	90.9849, -8.8060, 5.6970

Details

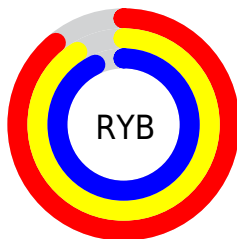
The Yxy color **82.7825, 0.3086, 0.3332** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.7302, 0.3170, 0.3248**, and the grayscale version is **81.9323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9927, 0.3082, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **78.6587, 0.2990, 0.3440**, and if you desaturate by 10%, it is **87.4738, 0.3184, 0.3235**.

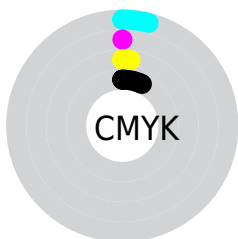
Distribution



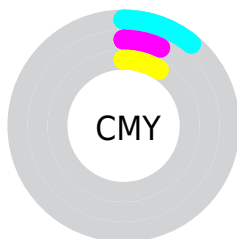
- Red (89%)
- Green (93%)
- Blue (91%)



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



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7825, 0.3086, 0.3332 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 82.7825, 0.3086, 0.3332 by changing the saturation by 10% instead.

■ 82.7825, 0.3086,
0.3332

■ 82.7825, 0.3086,
0.3332

504.2614, 0.3105,
0.3313

■ 62.0107, 0.3082,
0.3336

137.2708, 0.3092,
0.3325

■ 45.0414, 0.3077,
0.3341

171.7561, 0.3095,
0.3323

■ 31.4900, 0.3070,
0.3348

211.5814, 0.3097,
0.3321

■ 20.9723, 0.3062,
0.3356

257.1311, 0.3099,
0.3319

■ 13.1037, 0.3051,
0.3368

308.7895, 0.3101,
0.3317

■ 7.5000, 0.3035,
0.3384

366.9411, 0.3102,

■ 3.7767, 0.3011,

0.3316

0.3408

431.9703, 0.3103,
0.3314

■ 1.5495, 0.2971,
0.3450

■ 0.3232, 0.2520,
0.3903

■ 82.7825, 0.3086,
0.3332

■ 82.7825, 0.3086,
0.3332

■ 78.6587, 0.2990,
0.3440

■ 87.4738, 0.3184,
0.3235

■ 75.0698, 0.2898,
0.3560

■ 88.8706, 0.3153,
0.3144

■ 71.9958, 0.2814,
0.3690

■ 89.0506, 0.3135,
0.3117

■ 69.4115, 0.2740,
0.3832

■ 67.2893, 0.2679,
0.3982

■ 65.5992, 0.2635,
0.4138

■ 64.3069, 0.2611,
0.4298

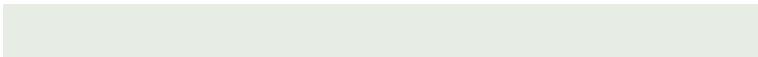
■ 63.3733, 0.2607,
0.4457

■ 62.7502, 0.2623,
0.4613

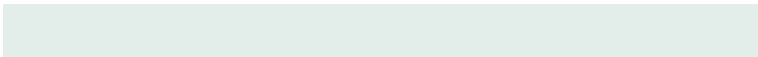
Harmonies

Analogous

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



82.7825, 0.3133, 0.3362



82.7825, 0.3086, 0.3332



82.7825, 0.3050, 0.3290

Triad

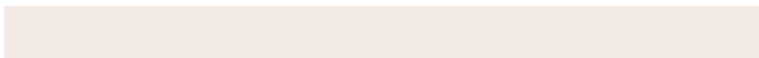
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.7825, 0.3086, 0.3332



82.7825, 0.3076, 0.3209



82.7825, 0.3220, 0.3330

Complementary

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



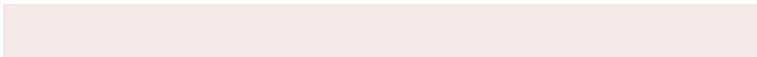
82.7825, 0.3086, 0.3332



78.7302, 0.3170, 0.3248

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.



82.7825, 0.3205, 0.3289



82.7825, 0.3086, 0.3332



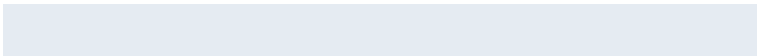
82.7825, 0.3121, 0.3220

Square

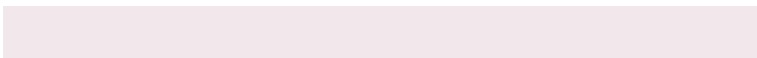
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



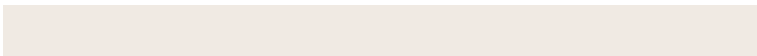
82.7825, 0.3086, 0.3332



82.7825, 0.3044, 0.3219



82.7825, 0.3168, 0.3249



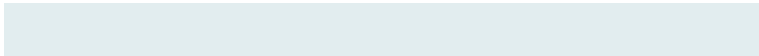
82.7825, 0.3211, 0.3361

Rectangle

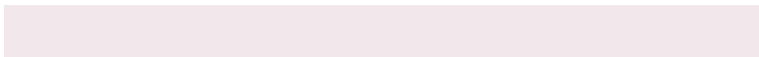
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



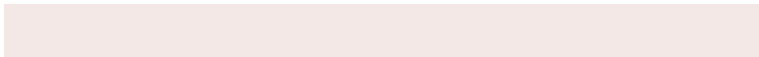
82.7825, 0.3086, 0.3332



82.7825, 0.3038, 0.3262



82.7825, 0.3168, 0.3249



82.7825, 0.3218, 0.3317

Sweetspot

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



82.7860, 0.3086, 0.3332



99.4531, 0.3117, 0.3300



83.1372, 0.3150, 0.3394



21.2928, 0.3118, 0.3299



0.0000, 0.0000, 0.0000



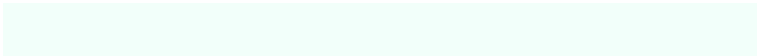
21.4041, 0.3127, 0.3290

Same Dimension

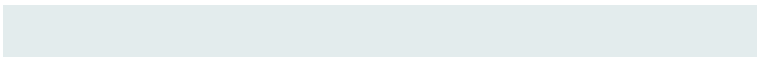
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7860, 0.3086, 0.3332



97.3328, 0.3078, 0.3340



82.5396, 0.3062, 0.3281



17.3495, 0.3072, 0.3347



34.1423, 0.2632, 0.4676



2.7000, 0.2573, 0.4463

Inverse Universe

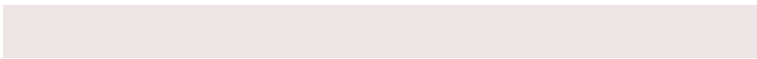
The Inverse Universe completely reimagines the original color for something new.



78.7302, 0.3170, 0.3248



91.6547, 0.3179, 0.3240



78.9601, 0.3196, 0.3299



16.2061, 0.3186, 0.3234



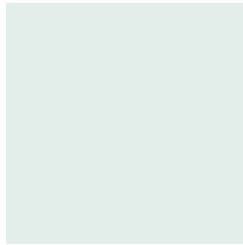
10.3168, 0.5351, 0.2722



0.8287, 0.4988, 0.2521

Previews

White Background



This preview shows how the Yxy color 82.7825, 0.3086, 0.3332 looks on a white background.

Color Contrast Check

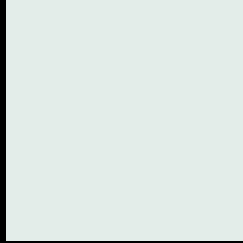
Large Text (above 18pt) WCAG AA × Fail

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 82.7825, 0.3086, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

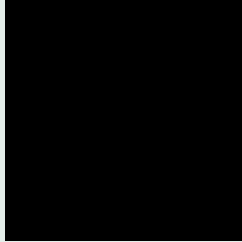
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

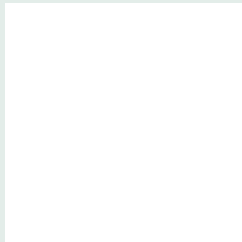
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.7825, 0.3086, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 82.7825, 0.3086, 0.3332.

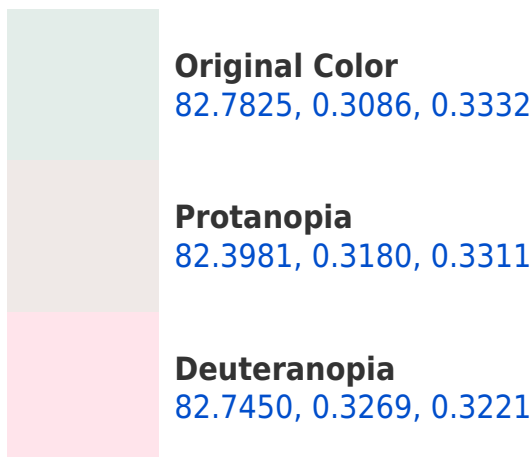


This preview shows how white text looks on a background with the Yxy color 82.7825, 0.3086, 0.3332.

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

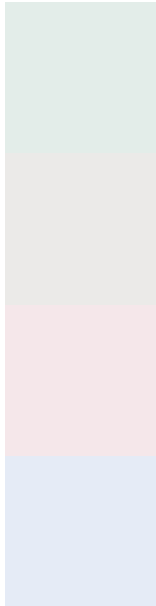




Tritanopia

82.7605, 0.2985, 0.3097

Trichromacy



Original Color

82.7825, 0.3086, 0.3332

Protanomaly

82.3340, 0.3146, 0.3311

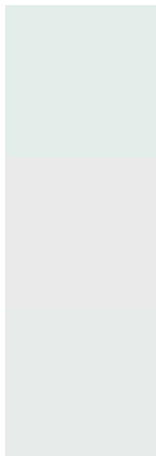
Deuteranomaly

82.5048, 0.3204, 0.3260

Tritanomaly

82.7285, 0.3021, 0.3177

Monochromacy



Original Color

82.7825, 0.3086, 0.3332

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.3461, 0.3107, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7825, 0.3086, 0.3332 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(227, 237, 233)` looks like.

```
.text, #text, p{  
    color:rgb(227, 237, 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(227, 237, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 237, 233) }
```

Border

The CSS property to change the border of an element to Yxy 82.7825, 0.3086, 0.3332 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(227, 237, 233) }
```

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

```
.border{ border-color:rgb(227, 237, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 237, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 237, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 237, 233); box-shadow:4px 4px 4px 4px rgb(227, 237, 233) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7825, 0.3086, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 237, 233) }
```

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

```
.background{ background-color: rgb(227,  
237, 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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