

Converting Colors

$Yxy(82.9720, 0.3187, 0.3445)$

Have a look what the booklet for
Yxy(82.9720, 0.3187, 0.3445)
contains.

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Color

Yxy(82.9981, 0.3187, 0.3446)

Conversions

Conversions Part 1

Format	Color
Hex	E8EDDE
RGB	232, 237, 222
RGB Percent	91%, 93%, 87%
CMY	0.0900, 0.0706, 0.1293
CMYK	0.02, 0.00, 0.06, 0.07
HSL	80°, 29%, 90%
HSV	80°, 6%, 93%
XYZ	76.7600, 82.9981, 81.0954
YIQ	233.7950, 1.8350, -5.7250

Conversions

Conversions Part 2

Format	Color
R_{YB}	222, 237, 227
Decimal	15265246
CIE Lab	93.01, -4.26, 6.66
CIE LCh	93, 7.910, 122.602
Yxy	82.9981, 0.3187, 0.3446
Android (android.graphics.Color)	4293455326 (0xFFE8EDDE)
YUV	233.7950, -5.8149, -1.5742
Hunter-Lab	91.1033, -9.0338, 10.9955

Details

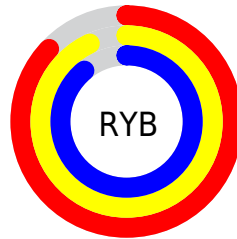
The Yxy color **82.9981, 0.3187, 0.3446** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.6935, 0.3065, 0.3132**, and the grayscale version is **82.1675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0679, 0.3196, 0.3479** is the 20% darker color. If you saturate the color by 10%, you get **80.5366, 0.3283, 0.3707**, and if you desaturate by 10%, it is **85.7038, 0.3093, 0.3203**.

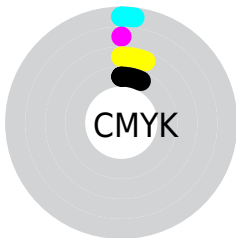
Distribution



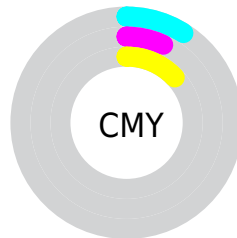
- Red (91%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (89%)



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9981, 0.3187, 0.3446 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 82.9981, 0.3187, 0.3446 by changing the saturation by 10% instead.

82.9981, 0.3187,
0.3446

82.9981, 0.3187,
0.3446

504.9802, 0.3160,
0.3375

62.1886, 0.3193,
0.3462

137.5728, 0.3178,
0.3422

45.1851, 0.3200,
0.3482

172.1068, 0.3174,
0.3412

31.6032, 0.3209,
0.3506

211.9844, 0.3171,
0.3404

21.0586, 0.3221,
0.3538

257.5899, 0.3168,
0.3397

13.1669, 0.3236,
0.3582

309.3079, 0.3166,
0.3390

7.5436, 0.3257,
0.3643

367.5227, 0.3164,

3.8043, 0.3288,

0.3385

0.3737

432.6186, 0.3162,
0.3379

■ 1.5647, 0.3339,
0.3898

■ 0.3336, 0.3897,
0.6103

■ 82.9981, 0.3187,
0.3446

■ 82.9981, 0.3187,
0.3446

■ 80.5366, 0.3283,
0.3707

■ 85.7038, 0.3093,
0.3203

■ 78.3004, 0.3377,
0.3981

■ 87.6869, 0.3088,
0.3114

■ 76.2845, 0.3465,
0.4261

■ 89.0435, 0.3135,
0.3117

■ 74.4794, 0.3543,
0.4539

■ 72.8750, 0.3606,
0.4802

■ 71.4602, 0.3648,
0.5039

■ 70.2225, 0.3667,
0.5236

■ 69.1474, 0.3660,
0.5385

■ 68.2168, 0.3629,
0.5484

Harmonies

Analogous

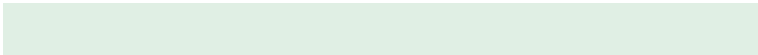
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9981, 0.3264, 0.3442



82.9981, 0.3187, 0.3446



82.9981, 0.3095, 0.3407

Triad

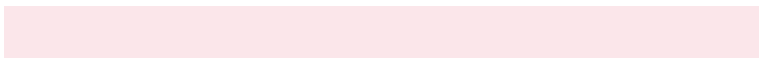
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.9981, 0.3187, 0.3446



82.9981, 0.2953, 0.3181



82.9981, 0.3242, 0.3245

Complementary

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



82.9981, 0.3187, 0.3446



74.6935, 0.3065, 0.3132

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.



82.9981, 0.3158, 0.3178



82.9981, 0.3187, 0.3446



82.9981, 0.2991, 0.3140

Square

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



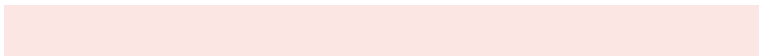
82.9981, 0.3187, 0.3446



82.9981, 0.2961, 0.3252



82.9981, 0.3066, 0.3139



82.9981, 0.3296, 0.3325

Rectangle

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



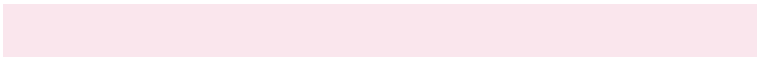
82.9981, 0.3187, 0.3446



82.9981, 0.3038, 0.3361



82.9981, 0.3066, 0.3139



82.9981, 0.3216, 0.3220

Sweetspot

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



83.0017, 0.3187, 0.3446



99.3576, 0.3146, 0.3339



78.0861, 0.3230, 0.3340



21.2734, 0.3145, 0.3336



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.



83.0017, 0.3187, 0.3446



97.4986, 0.3203, 0.3490



81.8085, 0.3138, 0.3448



17.3631, 0.3217, 0.3526



37.1483, 0.3623, 0.5505



2.9690, 0.3703, 0.5441

Inverse Universe

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



74.6935, 0.3065, 0.3132



85.1690, 0.3047, 0.3088



75.9019, 0.3115, 0.3135



14.7907, 0.3031, 0.3050



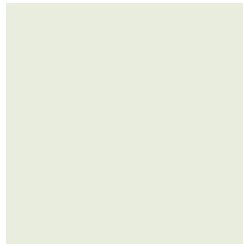
4.2939, 0.1743, 0.0734



0.3878, 0.1893, 0.0817

Previews

White Background



This preview shows how the Yxy color 82.9981, 0.3187, 0.3446 looks on a white background.

Color Contrast Check

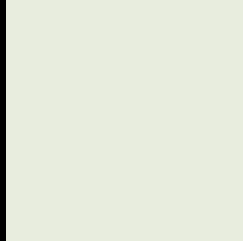
Large Text (above 18pt) WCAG AA × Fail

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 82.9981, 0.3187, 0.3446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

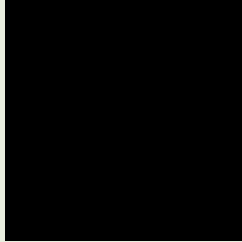
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

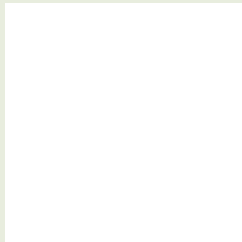
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.9981, 0.3187, 0.3446

Background



This preview shows how black text looks on a background with the Yxy color 82.9981, 0.3187, 0.3446.

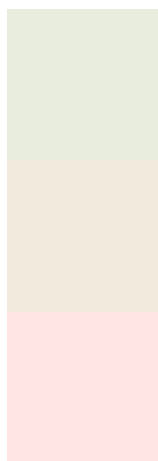


This preview shows how white text looks on a background with the Yxy color 82.9981, 0.3187, 0.3446.

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

82.9981, 0.3187, 0.3446

Protanopia

82.8902, 0.3271, 0.3434

Deuteranopia

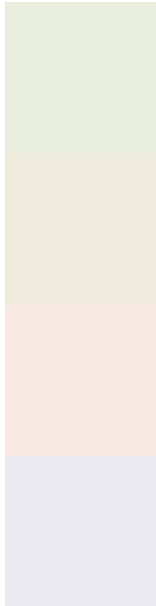
82.8447, 0.3322, 0.3310



Tritanopia

83.0757, 0.3036, 0.3109

Trichromacy



Original Color

82.9981, 0.3187, 0.3446

Protanomaly

82.8143, 0.3236, 0.3435

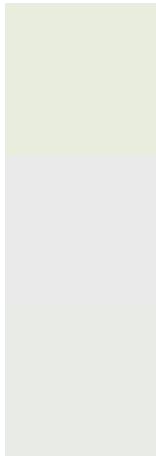
Deuteranomaly

82.9236, 0.3275, 0.3361

Tritanomaly

82.7991, 0.3097, 0.3229

Monochromacy



Original Color

82.9981, 0.3187, 0.3446

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.4535, 0.3145, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9981, 0.3187, 0.3446 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, 237, 222)` looks like.

```
.text, #text, p{  
    color:rgb(232, 237, 222)  
}
```

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, 237, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 237, 222) }
```

Border

The CSS property to change the border of an element to Yxy 82.9981, 0.3187, 0.3446 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, 237, 222) }
```

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

```
.border{ border-color:rgb(232, 237, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 237, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 237, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 237, 222);  
box-shadow:4px 4px 4px 4px rgb(232, 237,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9981, 0.3187, 0.3446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 237, 222) }
```

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

```
.background{ background-color: rgb(232,  
237, 222) }
```

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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