

Converting Colors

$Yxy(82.3891, 0.3167, 0.3441)$

Have a look what the booklet for
Yxy(82.3891, 0.3167, 0.3441)
contains.

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Color

Yxy(82.5003, 0.3167, 0.3447)

Conversions

Conversions Part 1

Format	Color
Hex	E5EDDE
RGB	229, 237, 222
RGB Percent	90%, 93%, 87%
CMY	0.1017, 0.0706, 0.1294
CMYK	0.03, 0.00, 0.06, 0.07
HSL	92°, 29%, 90%
HSV	92°, 6%, 93%
XYZ	75.7988, 82.5003, 81.0403
YIQ	232.8980, 0.0470, -6.3610

Conversions

Conversions Part 2

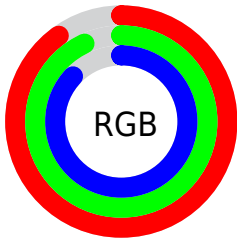
Format	Color
R_{YB}	222, 237, 230
Decimal	15068638
CIE Lab	92.80, -5.27, 6.33
CIE LCh	93, 8.237, 129.799
Yxy	82.5003, 0.3167, 0.3447
Android (android.graphics.Color)	4293258718 (0xFFE5EDDE)
YUV	232.8980, -5.3727, -3.4185
Hunter-Lab	90.8297, -9.9909, 10.6809

Details

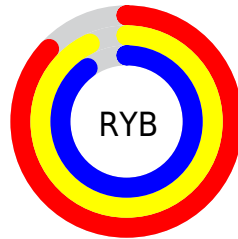
The Yxy color **82.5003, 0.3167, 0.3447** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.1705, 0.3085, 0.3133**, and the grayscale version is **81.4555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.8364, 0.3179, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **79.3335, 0.3230, 0.3714**, and if you desaturate by 10%, it is **86.0015, 0.3104, 0.3203**.

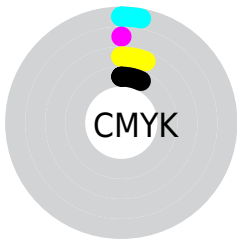
Distribution



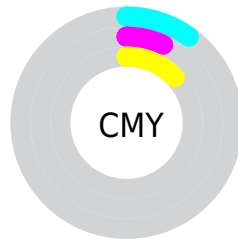
- Red (90%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (90%)



- Cyan (3%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (10%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5003, 0.3167, 0.3447 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 82.5003, 0.3167, 0.3447 by changing the saturation by 10% instead.

82.5003, 0.3167,
0.3447

82.5003, 0.3167,
0.3447

503.3196, 0.3149,
0.3375

61.7780, 0.3171,
0.3463

136.8754, 0.3161,
0.3422

44.8533, 0.3176,
0.3483

171.2969, 0.3159,
0.3413

31.3419, 0.3181,
0.3508

211.0537, 0.3157,
0.3404

20.8594, 0.3189,
0.3541

256.5301, 0.3155,
0.3397

13.0212, 0.3199,
0.3585

308.1105, 0.3153,
0.3391

7.4432, 0.3212,
0.3647

366.1793, 0.3152,

3.7408, 0.3232,

0.3385

0.3743

431.1209, 0.3150,
0.3380

■ 1.5296, 0.3262,
0.3910

■ 0.3094, 0.3483,
0.6517

■ 82.5003, 0.3167,
0.3447

■ 82.5003, 0.3167,
0.3447

■ 79.3335, 0.3230,
0.3714

■ 86.0015, 0.3104,
0.3203

■ 76.4800, 0.3290,
0.4001

■ 88.8736, 0.3130,
0.3116

■ 73.9321, 0.3343,
0.4301

■ 89.0401, 0.3135,
0.3117

■ 71.6779, 0.3388,
0.4607

■ 69.7047, 0.3417,
0.4904

■ 67.9985, 0.3429,
0.5177

■ 66.5440, 0.3419,
0.5411

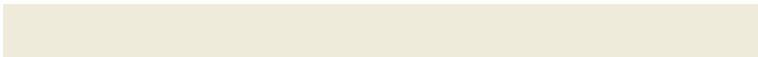
■ 65.3234, 0.3388,
0.5592

■ 64.3157, 0.3338,
0.5713

Harmonies

Analogous

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



82.5003, 0.3253, 0.3454



82.5003, 0.3167, 0.3447



82.5003, 0.3071, 0.3396

Triad

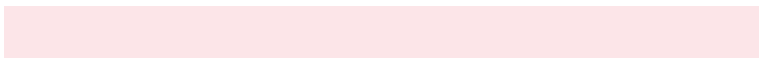
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.5003, 0.3167, 0.3447



82.5003, 0.2951, 0.3162



82.5003, 0.3265, 0.3262

Complementary

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



82.5003, 0.3167, 0.3447



75.1705, 0.3085, 0.3133

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.



82.5003, 0.3182, 0.3187



82.5003, 0.3167, 0.3447



82.5003, 0.3001, 0.3129

Square

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



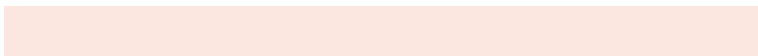
82.5003, 0.3167, 0.3447



82.5003, 0.2948, 0.3230



82.5003, 0.3085, 0.3139



82.5003, 0.3310, 0.3346

Rectangle

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



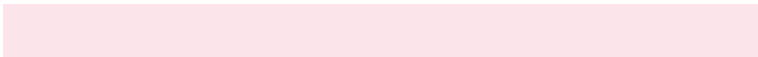
82.5003, 0.3167, 0.3447



82.5003, 0.3015, 0.3345



82.5003, 0.3085, 0.3139



82.5003, 0.3240, 0.3235

Sweetspot

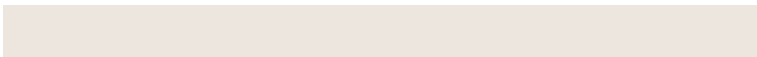
The Sweet Spot groups the original color and five complimentary colors.



82.5039, 0.3167, 0.3447



99.1682, 0.3140, 0.3339



79.7289, 0.3227, 0.3371



21.2348, 0.3139, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

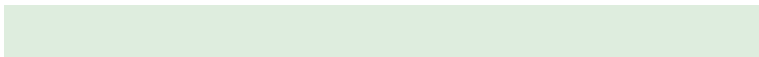
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5039, 0.3167, 0.3447



96.7672, 0.3178, 0.3491



81.3786, 0.3118, 0.3446



17.2103, 0.3187, 0.3528



35.0163, 0.3329, 0.5739



2.8065, 0.3436, 0.5654

Inverse Universe

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



75.1705, 0.3085, 0.3133



85.8891, 0.3073, 0.3089



76.3476, 0.3136, 0.3138



14.9407, 0.3063, 0.3052



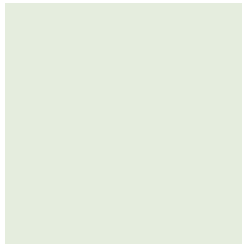
5.8082, 0.2081, 0.0920



0.5133, 0.2227, 0.1001

Previews

White Background



This preview shows how the Yxy color 82.5003, 0.3167, 0.3447 looks on a white background.

Color Contrast Check

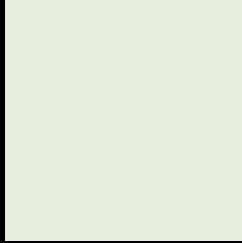
Large Text (above 18pt) WCAG AA × Fail

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 82.5003, 0.3167, 0.3447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

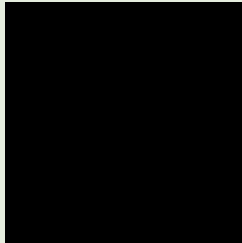
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

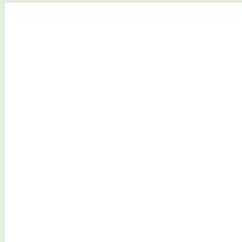
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.5003, 0.3167, 0.3447

Background



This preview shows how black text looks on a background with the Yxy color 82.5003, 0.3167, 0.3447.

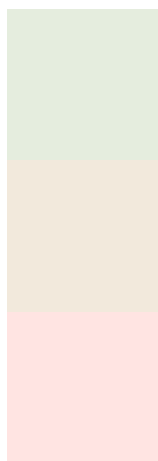


This preview shows how white text looks on a background with the Yxy color 82.5003, 0.3167, 0.3447.

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

82.5003, 0.3167, 0.3447

Protanopia

82.3224, 0.3272, 0.3424

Deuteranopia

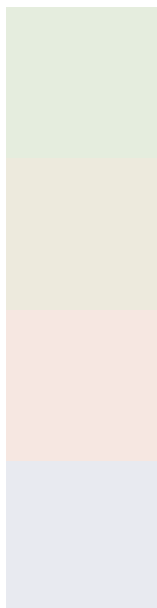
82.2378, 0.3330, 0.3311



Tritanopia

82.7353, 0.3023, 0.3108

Trichromacy



Original Color

82.5003, 0.3167, 0.3447

Protanomaly

82.0706, 0.3230, 0.3425

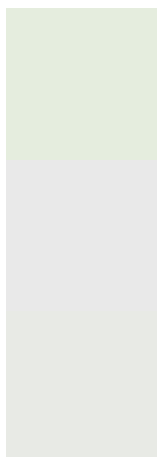
Deuteranomaly

82.1809, 0.3269, 0.3351

Tritanomaly

82.2927, 0.3077, 0.3228

Monochromacy



Original Color

82.5003, 0.3167, 0.3447

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.6586, 0.3145, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5003, 0.3167, 0.3447 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(229, 237, 222)` looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 237, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 237, 222) }
```

Border

The CSS property to change the border of an element to Yxy 82.5003, 0.3167, 0.3447 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(229, 237, 222) }
```

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

```
.border{ border-color:rgb(229, 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(229, 237, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 237, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 237, 222);  
box-shadow:4px 4px 4px 4px rgb(229, 237,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5003, 0.3167, 0.3447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 237, 222) }
```

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

```
.background{ background-color: rgb(229,  
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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