

# Converting Colors

$Yxy(82.2844, 0.3116, 0.3395)$

Have a look what the booklet for  
Yxy(82.2844, 0.3116, 0.3395)  
contains.

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# Color

**Yxy(82.2832, 0.3116, 0.3395)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2EDE3
RGB	226, 237, 227
RGB Percent	89%, 93%, 89%
CMY	0.1136, 0.0706, 0.1099
CMYK	0.05, 0.00, 0.04, 0.07
HSL	125°, 23%, 91%
HSV	125°, 5%, 93%
XYZ	75.5212, 82.2832, 84.5614
YIQ	232.5710, -3.3460, -5.4420

# Conversions

## Conversions Part 2

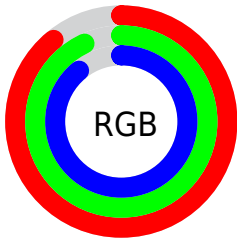
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 236, 237
Decimal	14872035
CIE <sub>Lab</sub>	92.70, -5.43, 3.58
CIE <sub>LCh</sub>	93, 6.500, 146.622
Yxy	82.2832, 0.3116, 0.3395
Android (android.graphics.Color)	4293062115 (0xFFE2EDE3)
YUV	232.5710, -2.7465, -5.7628
Hunter-Lab	90.7101, -10.1315, 8.2259

# Details

The Yxy color **82.2832, 0.3116, 0.3395** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.4798, 0.3138, 0.3187**, and the grayscale version is **81.1752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6842, 0.3113, 0.3412** is the 20% darker color. If you saturate the color by 10%, you get **77.5935, 0.3091, 0.3645**, and if you desaturate by 10%, it is **87.6601, 0.3140, 0.3176**.

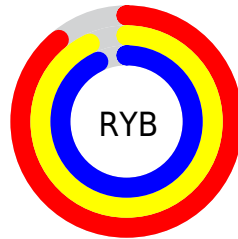
# Distribution



Red (89%)

Green (93%)

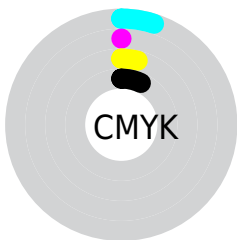
Blue (89%)



Red (89%)

Yellow (93%)

Blue (93%)

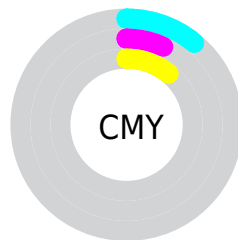


Cyan (5%)

Magenta (0%)

Yellow (4%)

Black (7%)



Cyan (11%)

Magenta (7%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.2832, 0.3116, 0.3395 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 82.2832, 0.3116, 0.3395 by changing the saturation by 10% instead.



82.2832, 0.3116,  
0.3395

82.2832, 0.3116,  
0.3395

502.5945, 0.3121,  
0.3347

61.5990, 0.3115,  
0.3406

136.5711, 0.3118,  
0.3379

44.7088, 0.3113,  
0.3419

170.9435, 0.3119,  
0.3372

31.2281, 0.3111,  
0.3436

210.6475, 0.3119,  
0.3367

20.7726, 0.3109,  
0.3457

256.0675, 0.3120,  
0.3362

12.9579, 0.3105,  
0.3487

307.5877, 0.3120,  
0.3357

7.3995, 0.3100,  
0.3528

365.5927, 0.3121,

3.7132, 0.3092,

0.3354

430.4669, 0.3121,  
0.3350

0.3592

■ 1.5145, 0.3077,  
0.3703

■ 0.2989, 0.2882,  
0.5683

■ 82.2832, 0.3116,  
0.3395

■ 82.2832, 0.3116,  
0.3395

■ 77.5935, 0.3091,  
0.3645

■ 87.6601, 0.3140,  
0.3176

■ 73.5532, 0.3065,  
0.3927

■ 89.0457, 0.3135,  
0.3117

■ 70.1369, 0.3040,  
0.4238

■ 67.3134, 0.3016,  
0.4569

■ 65.0489, 0.2996,  
0.4907

■ 63.3062, 0.2982,  
0.5231

■ 62.0433, 0.2975,  
0.5520

■ 61.2119, 0.2975,  
0.5748

■ 60.7536, 0.2983,  
0.5902

# Harmonies

## Analogous

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



82.2832, 0.3191, 0.3421



82.2832, 0.3116, 0.3395



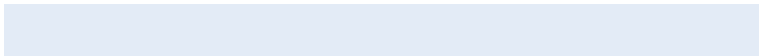
82.2832, 0.3045, 0.3340

# Triad

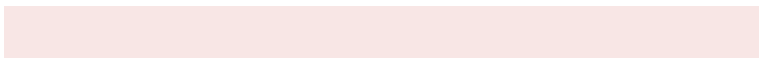
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.2832, 0.3116, 0.3395



82.2832, 0.3006, 0.3171



82.2832, 0.3260, 0.3306

# Complementary

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



82.2832, 0.3116, 0.3395



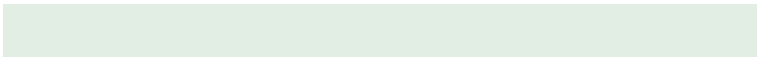
78.4798, 0.3138, 0.3187

# 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.



82.2832, 0.3210, 0.3240



82.2832, 0.3116, 0.3395



82.2832, 0.3063, 0.3163

# Square

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



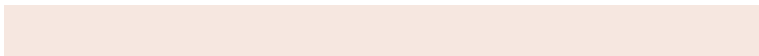
82.2832, 0.3116, 0.3395



82.2832, 0.2982, 0.3210



82.2832, 0.3137, 0.3189



82.2832, 0.3275, 0.3368



# Rectangle

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



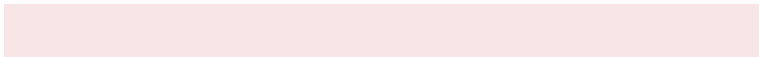
82.2832, 0.3116, 0.3395



82.2832, 0.3009, 0.3295



82.2832, 0.3137, 0.3189



82.2832, 0.3247, 0.3283

# Sweetspot

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



82.2867, 0.3116, 0.3395



99.3703, 0.3125, 0.3312



83.9062, 0.3189, 0.3403



21.2760, 0.3125, 0.3311



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

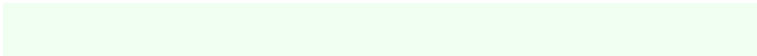


# Same Dimension

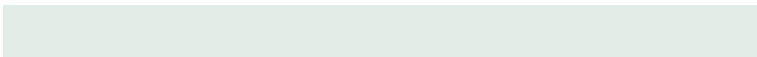
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.2867, 0.3116, 0.3395



96.3444, 0.3113, 0.3428



82.5924, 0.3083, 0.3338



17.1707, 0.3111, 0.3443



33.1041, 0.2984, 0.5942



2.6067, 0.2944, 0.5799



# Inverse Universe

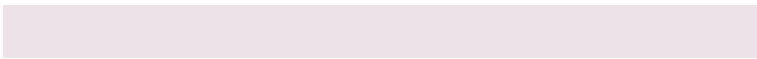
The Inverse Universe completely reimagines the original color for something new.



78.4798, 0.3138, 0.3187



90.5395, 0.3142, 0.3156



78.1677, 0.3174, 0.3243



16.0339, 0.3144, 0.3142



12.5656, 0.3437, 0.1667

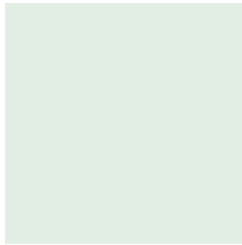


0.9933, 0.3402, 0.1648



# Previews

## White Background



This preview shows how the Yxy color 82.2832, 0.3116, 0.3395 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

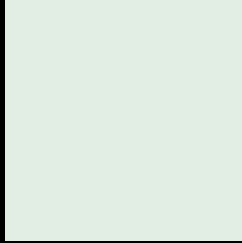
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.2832, 0.3116, 0.3395 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

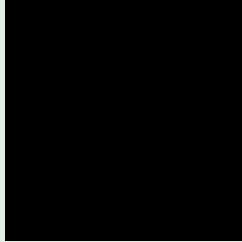
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

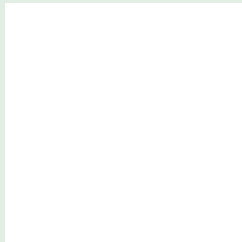
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.2832, 0.3116, 0.3395**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.2832, 0.3116, 0.3395.

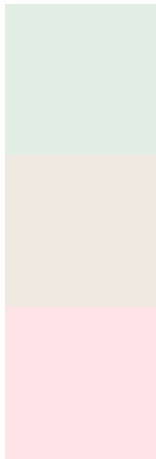


This preview shows how white text looks on a background with the Yxy color 82.2832, 0.3116, 0.3395.

# 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

82.2832, 0.3116, 0.3395

### Protanopia

82.2393, 0.3226, 0.3372

### Deuteranopia

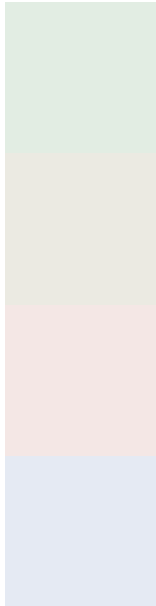
81.9113, 0.3304, 0.3261



## Tritanopia

82.1291, 0.2991, 0.3096

# Trichromacy



## Original Color

82.2832, 0.3116, 0.3395

## Protanomaly

81.9988, 0.3184, 0.3373

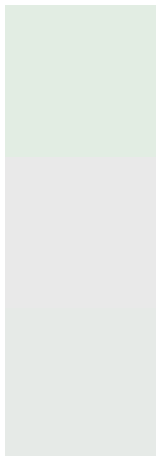
## Deuteranomaly

82.0421, 0.3229, 0.3311

## Tritanomaly

81.9747, 0.3039, 0.3197

# Monochromacy



## Original Color

82.2832, 0.3116, 0.3395

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

81.4382, 0.3119, 0.3321

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.2832, 0.3116, 0.3395 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, 237, 227)` looks like.

```
.text, #text, p{  
    color:rgb(226, 237, 227)  
}
```

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, 237, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 237, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 82.2832, 0.3116, 0.3395 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, 237, 227) }
```

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

```
.border{ border-color:rgb(226, 237, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 237, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 237, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 237, 227); box-shadow:4px 4px 4px 4px rgb(226, 237, 227) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.2832, 0.3116, 0.3395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 237, 227) }
```

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

```
.background{ background-color: rgb(226,  
237, 227) }
```

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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