

# Converting Colors

$Yxy(89.0225, 0.3165, 0.3442)$

Have a look what the booklet for  
Yxy(89.0225, 0.3165, 0.3442)  
contains.

<b>Yxy(89.0225, 0.3165, 0.3442)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(89.0225, 0.3165, 0.3442)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDF5E6
RGB	237, 245, 230
RGB Percent	93%, 96%, 90%
CMY	0.0707, 0.0392, 0.0979
CMYK	0.03, 0.00, 0.06, 0.04
HSL	92°, 43%, 93%
HSV	92°, 6%, 96%
XYZ	81.8583, 89.0225, 87.7552
YIQ	240.8980, 0.0470, -6.3610

# Conversions

## Conversions Part 2

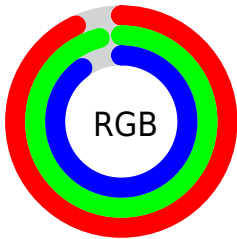
Format	Color
R <sub>Y</sub> B	230, 245, 238
Decimal	15594982
CIE Lab	95.59, -5.28, 6.27
CIE LCh	96, 8.198, 130.077
Yxy	89.0225, 0.3165, 0.3442
Android (android.graphics.Color)	4293785062 (0xFFEDF5E6)
YUV	240.8980, -5.3727, -3.4185
Hunter-Lab	94.3517, -10.2514, 10.9014

# Details

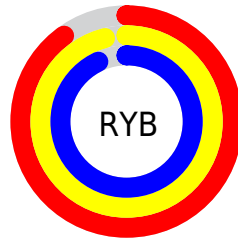
The Yxy color **89.0225, 0.3165, 0.3442** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.3940, 0.3087, 0.3138**, and the grayscale version is **87.9231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3141, 0.3168, 0.3473** is the 20% darker color. If you saturate the color by 10%, you get **85.5656, 0.3226, 0.3709**, and if you desaturate by 10%, it is **92.8463, 0.3103, 0.3198**.

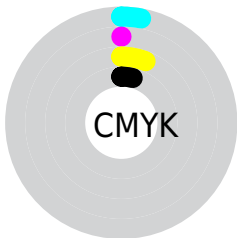
# Distribution



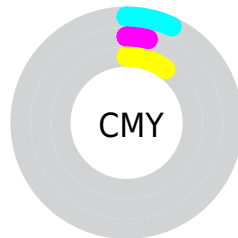
- Red (93%)
- Green (96%)
- Blue (90%)



- Red (90%)
- Yellow (96%)
- Blue (93%)



- Cyan (3%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)




- Cyan (7%)
- Magenta (4%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.0225, 0.3165, 0.3442 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 89.0225, 0.3165, 0.3442 by changing the saturation by 10% instead.



 89.0225, 0.3165,  
0.3442

 89.0225, 0.3165,  
0.3442


524.8459, 0.3148,  
0.3374

 67.1702, 0.3169,  
0.3457


145.9799, 0.3159,  
0.3419

 49.2230, 0.3173,  
0.3476


181.8537, 0.3157,  
0.3409

 34.7964, 0.3178,  
0.3499


223.1702, 0.3155,  
0.3401

 23.5061, 0.3185,  
0.3529

270.3137, 0.3154,  
0.3394

 14.9676, 0.3194,  
0.3569

323.6686, 0.3152,  
0.3388

 8.7967, 0.3206,  
0.3625

383.6194, 0.3151,

 4.6088, 0.3223,

0.3383

0.3709

450.5504, 0.3150,  
0.3378

■ 2.0196, 0.3249,  
0.3848

■ 0.6188, 0.3497,  
0.4712

■ 89.0225, 0.3165,  
0.3442

■ 89.0225, 0.3165,  
0.3442

■ 85.5656, 0.3226,  
0.3709

■ 92.8463, 0.3103,  
0.3198

■ 82.4526, 0.3285,  
0.3997

■ 93.7905, 0.3132,  
0.3194

■ 79.6750, 0.3338,  
0.4298

■ 77.2197, 0.3381,  
0.4606

■ 75.0729, 0.3410,  
0.4905

■ 73.2191, 0.3421,  
0.5180

■ 71.6415, 0.3410,  
0.5416

■ 70.3208, 0.3379,  
0.5598

■ 69.2339, 0.3328,  
0.5721

# Harmonies

## Analogous

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



89.0225, 0.3249, 0.3449



89.0225, 0.3165, 0.3442



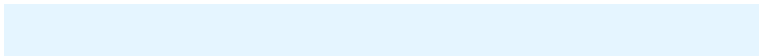
89.0225, 0.3072, 0.3393

# Triad

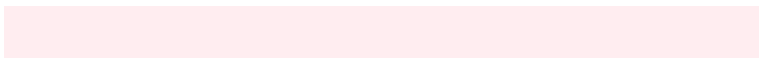
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.0225, 0.3165, 0.3442



89.0225, 0.2957, 0.3166



89.0225, 0.3261, 0.3264

# Complementary

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



89.0225, 0.3165, 0.3442



81.3940, 0.3087, 0.3138

# 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.



89.0225, 0.3181, 0.3191



89.0225, 0.3165, 0.3442



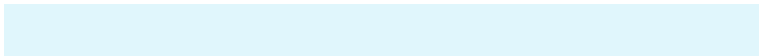
89.0225, 0.3006, 0.3134

# Square

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



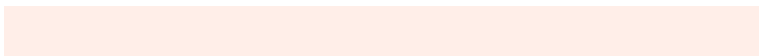
89.0225, 0.3165, 0.3442



89.0225, 0.2953, 0.3231



89.0225, 0.3087, 0.3144



89.0225, 0.3305, 0.3345



# Rectangle

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



89.0225, 0.3165, 0.3442



89.0225, 0.3017, 0.3343



89.0225, 0.3087, 0.3144



89.0225, 0.3237, 0.3238

# Sweetspot

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



89.0263, 0.3165, 0.3442



99.1608, 0.3140, 0.3339



86.2904, 0.3224, 0.3371



21.2333, 0.3139, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

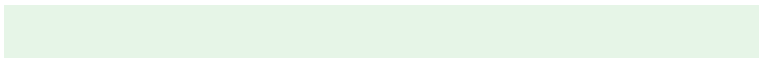
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.0263, 0.3165, 0.3442



97.1327, 0.3171, 0.3465



87.8822, 0.3117, 0.3439



18.9932, 0.3174, 0.3480



37.1748, 0.3318, 0.5748



3.3278, 0.3414, 0.5671



# Inverse Universe

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



81.3940, 0.3087, 0.3138



87.5990, 0.3081, 0.3115



82.5893, 0.3137, 0.3146



16.9797, 0.3077, 0.3101



6.2510, 0.2095, 0.0928

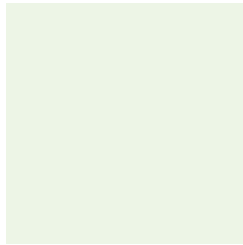


0.6105, 0.2226, 0.1000



# Previews

## White Background



This preview shows how the Yxy color 89.0225, 0.3165, 0.3442 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

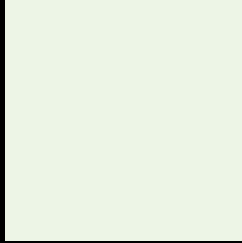
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.0225, 0.3165, 0.3442 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

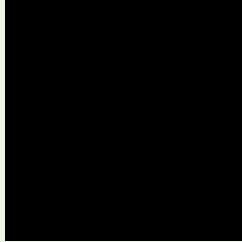
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

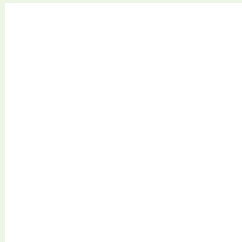
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.0225, 0.3165, 0.3442**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.0225, 0.3165, 0.3442.

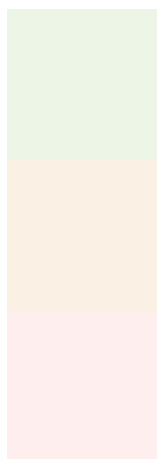


This preview shows how white text looks on a background with the Yxy color 89.0225, 0.3165, 0.3442.

# 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

89.0225, 0.3165, 0.3442

### Protanopia

88.8360, 0.3267, 0.3420

### Deuteranopia

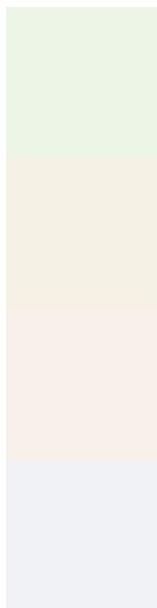
88.5821, 0.3241, 0.3290



## Tritanopia

89.0078, 0.3050, 0.3152

# Trichromacy



## Original Color

89.0225, 0.3165, 0.3442

## Protanomaly

88.5739, 0.3227, 0.3421

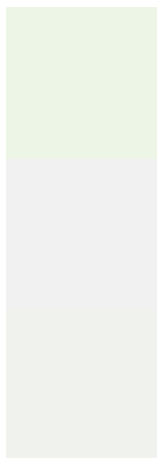
## Deuteranomaly

88.8652, 0.3210, 0.3350

## Tritanomaly

88.6833, 0.3090, 0.3250

# Monochromacy



## Original Color

89.0225, 0.3165, 0.3442

## Achromatopsia

87.9622, 0.3127, 0.3290

## Achromatomaly

88.1440, 0.3144, 0.3340

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.0225, 0.3165, 0.3442 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(237, 245, 230)` looks like.

```
.text, #text, p{  
    color:rgb(237, 245, 230)  
}
```

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(237, 245, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 245, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 89.0225, 0.3165, 0.3442 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(237, 245, 230) }
```

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

```
.border{ border-color:rgb(237, 245, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 245, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 245, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 245, 230);  
box-shadow:4px 4px 4px 4px rgb(237, 245,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.0225, 0.3165, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 245, 230) }
```

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

```
.background{ background-color: rgb(237,  
245, 230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor