

# Converting Colors

$Yxy(84.6495, 0.3228, 0.3477)$

Have a look what the booklet for  
Yxy(84.6495, 0.3228, 0.3477)  
contains.

<b>Yxy(84.9048, 0.3232, 0.3486)</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(84.9048, 0.3232, 0.3486)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDEFDC
RGB	237, 239, 220
RGB Percent	93%, 94%, 86%
CMY	0.0704, 0.0628, 0.1373
CMYK	0.01, 0.00, 0.08, 0.06
HSL	66°, 37%, 90%
HSV	66°, 8%, 94%
XYZ	78.7184, 84.9048, 79.9362
YIQ	236.2360, 4.9070, -6.3330

# Conversions

## Conversions Part 2

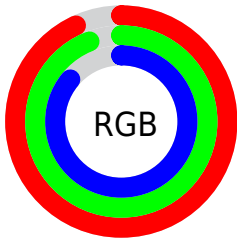
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 239, 222
Decimal	15593436
CIE Lab	93.84, -3.91, 8.96
CIE LCh	94, 9.775, 113.556
Yxy	84.9048, 0.3232, 0.3486
Android (android.graphics.Color)	4293783516 (0xFFEDEFDC)
YUV	236.2360, -8.0043, 0.6700
Hunter-Lab	92.1438, -8.7592, 13.0657

# Details

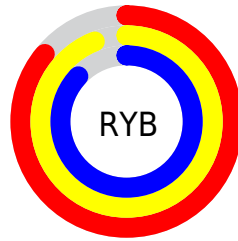
The Yxy color **84.9048, 0.3232, 0.3486** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.9281, 0.3018, 0.3088**, and the grayscale version is **84.1364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4073, 0.3254, 0.3529** is the 20% darker color. If you saturate the color by 10%, you get **83.3121, 0.3366, 0.3741**, and if you desaturate by 10%, it is **86.6917, 0.3101, 0.3241**.

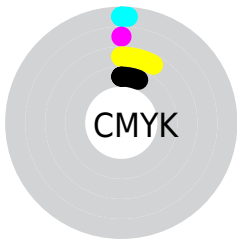
# Distribution



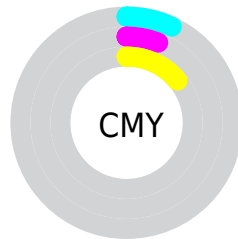
- Red (93%)
- Green (94%)
- Blue (86%)



- Red (86%)
- Yellow (94%)
- Blue (87%)



- Cyan (1%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)



- Cyan (7%)
- Magenta (6%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9048, 0.3232, 0.3486 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 84.9048, 0.3232, 0.3486 by changing the saturation by 10% instead.



84.9048, 0.3232,  
0.3486

84.9048, 0.3232,  
0.3486

511.3130, 0.3185,  
0.3397

63.7627, 0.3242,  
0.3506

140.2402, 0.3216,  
0.3455

46.4585, 0.3255,  
0.3530

175.2022, 0.3210,  
0.3444

32.6078, 0.3271,  
0.3561

215.5398, 0.3204,  
0.3433

21.8262, 0.3291,  
0.3601

261.6371, 0.3200,  
0.3424

13.7292, 0.3317,  
0.3654

313.8787, 0.3195,  
0.3416

7.9326, 0.3354,  
0.3728

372.6490, 0.3192,

4.0518, 0.3408,

0.3409

0.3842

438.3323, 0.3188,  
0.3403

■ 1.7026, 0.3494,  
0.4033

■ 0.4253, 0.4207,  
0.5793

■ 84.9048, 0.3232,  
0.3486

■ 84.9048, 0.3232,  
0.3486

■ 83.3121, 0.3366,  
0.3741

■ 86.6917, 0.3101,  
0.3241

■ 81.8948, 0.3500,  
0.4001


■ 87.8182, 0.3050,  
0.3132


■ 80.6484, 0.3629,  
0.4256


■ 88.2549, 0.3066,  
0.3133

■ 79.5641, 0.3747,  
0.4498


■ 88.6975, 0.3081,  
0.3134


 78.6321, 0.3848,  
0.4715


 89.1460, 0.3097,  
0.3134


 77.8418, 0.3927,  
0.4898


 89.6003, 0.3113,  
0.3135

 77.1807, 0.3981,  
0.5039

 90.0605, 0.3129,  
0.3136

 76.6347, 0.4008,  
0.5135

 90.2100, 0.3134,  
0.3136

 76.1837, 0.4012,  
0.5188

# Harmonies

## Analogous

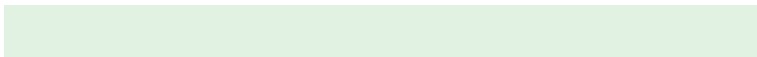
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9048, 0.3315, 0.3464



84.9048, 0.3232, 0.3486



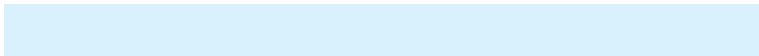
84.9048, 0.3122, 0.3453

# Triad

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



84.9048, 0.3232, 0.3486



84.9048, 0.2911, 0.3179



84.9048, 0.3240, 0.3207

# Complementary

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



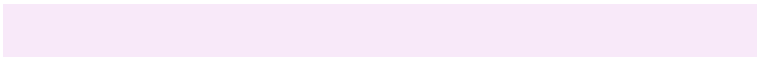
84.9048, 0.3232, 0.3486



72.9281, 0.3018, 0.3088

# Split Complementary

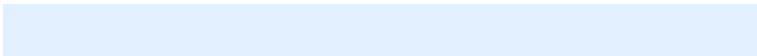
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9048, 0.3130, 0.3134



84.9048, 0.3232, 0.3486



84.9048, 0.2941, 0.3116

# Square

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



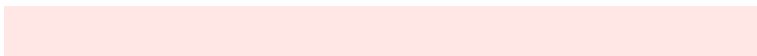
84.9048, 0.3232, 0.3486



84.9048, 0.2938, 0.3273



84.9048, 0.3021, 0.3101

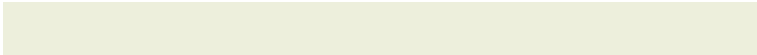


84.9048, 0.3320, 0.3302



# Rectangle

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



84.9048, 0.3232, 0.3486



84.9048, 0.3048, 0.3405



84.9048, 0.3021, 0.3101



84.9048, 0.3205, 0.3179

# Sweetspot

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



84.9085, 0.3232, 0.3486



99.5767, 0.3153, 0.3339



75.6971, 0.3262, 0.3310



21.3180, 0.3152, 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.



84.9085, 0.3232, 0.3486



97.9722, 0.3260, 0.3538



83.3230, 0.3168, 0.3490



18.3718, 0.3252, 0.3524



42.0887, 0.4014, 0.5195



3.5249, 0.4039, 0.5175



# Inverse Universe

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



72.9281, 0.3018, 0.3088



80.7110, 0.2987, 0.3032



74.4629, 0.3083, 0.3092



15.3063, 0.2995, 0.3047



3.5808, 0.1535, 0.0619

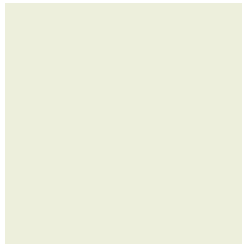


0.3236, 0.1613, 0.0662



# Previews

## White Background



This preview shows how the Yxy color 84.9048, 0.3232, 0.3486 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

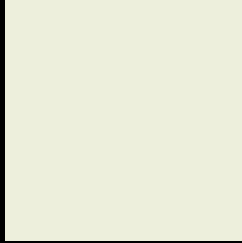
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.9048, 0.3232, 0.3486 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

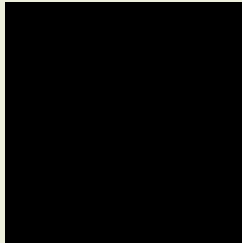
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

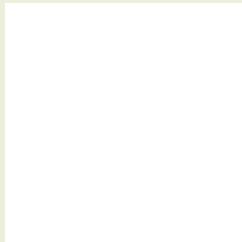
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.9048, 0.3232, 0.3486**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.9048, 0.3232, 0.3486.

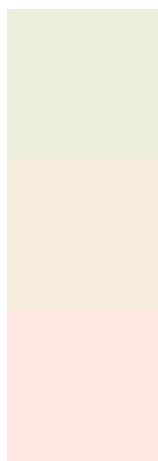


This preview shows how white text looks on a background with the Yxy color 84.9048, 0.3232, 0.3486.

# 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

84.9048, 0.3232, 0.3486

### Protanopia

84.6982, 0.3303, 0.3463

### Deuteranopia

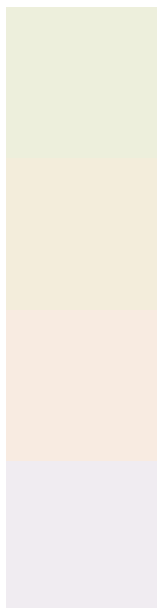
84.5747, 0.3311, 0.3330



## Tritanopia

84.8147, 0.3063, 0.3101

# Trichromacy



## Original Color

84.9048, 0.3232, 0.3486

## Protanomaly

84.7375, 0.3281, 0.3474

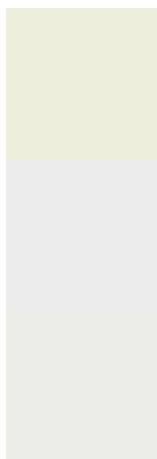
## Deuteranomaly

84.8094, 0.3279, 0.3391

## Tritanomaly

84.8670, 0.3123, 0.3240

# Monochromacy



## Original Color

84.9048, 0.3232, 0.3486

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

84.1144, 0.3164, 0.3362

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.9048, 0.3232, 0.3486 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, 239, 220)` looks like.

```
.text, #text, p{  
    color:rgb(237, 239, 220)  
}
```

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, 239, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 239, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 84.9048, 0.3232, 0.3486 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, 239, 220) }
```

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

```
.border{ border-color:rgb(237, 239, 220) }
```

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

Here you see how a box with a 4 pixel rgb(237, 239, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 239, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 239, 220);  
box-shadow:4px 4px 4px 4px rgb(237, 239,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.9048, 0.3232, 0.3486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 239, 220) }
```

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

```
.background{ background-color: rgb(237,  
239, 220) }
```

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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