

# Converting Colors

$Yxy(83.0956, 0.3562, 0.4039)$

Have a look what the booklet for  
Yxy(83.0956, 0.3562, 0.4039)  
contains.

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# Color

**Yxy(83.3245, 0.3566, 0.4044)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEF0A8
RGB	238, 240, 168
RGB Percent	93%, 94%, 66%
CMY	0.0668, 0.0587, 0.3413
CMYK	0.01, 0.00, 0.30, 0.06
HSL	62°, 71%, 80%
HSV	62°, 30%, 94%
XYZ	73.4756, 83.3245, 49.2447
YIQ	231.1940, 21.9200, -22.8160

# Conversions

## Conversions Part 2

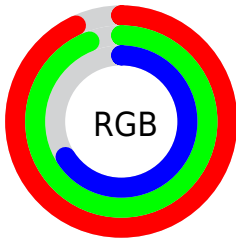
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 240, 170
Decimal	15659176
CIELab	93.16, -11.62, 34.68
CIElCh	93, 36.575, 108.517
Yxy	83.3245, 0.3566, 0.4044
Android (android.graphics.Color)	4293849256 (0xFFEEF0A8)
YUV	231.1940, -31.1546, 5.9689
Hunter-Lab	91.2823, -16.0645, 31.9120

# Details

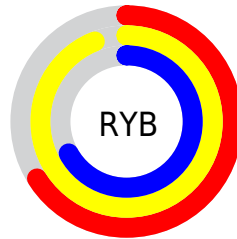
The Yxy color **83.3245, 0.3566, 0.4044** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **42.8403, 0.2610, 0.2414**, and the grayscale version is **80.2840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **45.3425, 0.3654, 0.4217** is the 20% darker color. If you saturate the color by 10%, you get **82.3961, 0.3706, 0.4288**, and if you desaturate by 10%, it is **84.4259, 0.3419, 0.3791**.

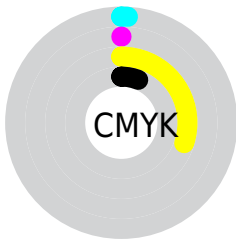
# Distribution



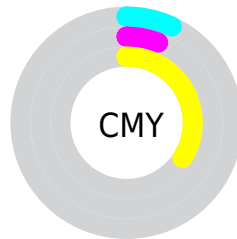
- Red (93%)
- Green (94%)
- Blue (66%)



- Red (66%)
- Yellow (94%)
- Blue (67%)



- Cyan (1%)
- Magenta (0%)
- Yellow (30%)
- Black (6%)



- Cyan (7%)
- Magenta (6%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3245, 0.3566, 0.4044 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 83.3245, 0.3566, 0.4044 by changing the saturation by 10% instead.



83.3245, 0.3566,  
0.4044

83.3245, 0.3566,  
0.4044

506.0674, 0.3375,  
0.3699

62.4579, 0.3606,  
0.4121

138.0299, 0.3502,  
0.3926

45.4028, 0.3654,  
0.4215

172.6374, 0.3477,  
0.3879

31.7748, 0.3711,  
0.4332

212.5940, 0.3455,  
0.3839

21.1895, 0.3780,  
0.4480

258.2841, 0.3435,  
0.3804

13.2626, 0.3863,  
0.4674

310.0921, 0.3417,  
0.3773

7.6096, 0.3959,  
0.4933

368.4024, 0.3402,

3.8462, 0.4120,

0.3745

0.5368

433.5993, 0.3388,  
0.3721

■ 1.5879, 0.4154,  
0.5846

■ 0.3494, 0.1220,  
0.8780

■ 83.3245, 0.3566,  
0.4044

■ 83.3245, 0.3566,  
0.4044

■ 82.3961, 0.3706,  
0.4288

■ 84.4259, 0.3419,  
0.3791

■ 81.6205, 0.3835,  
0.4514

■ 85.6976, 0.3272,  
0.3537

■ 80.9913, 0.3945,  
0.4710

■ 87.1510, 0.3127,  
0.3290

■ 80.4974, 0.4033,  
0.4869


■ 88.2011, 0.3042,  
0.3142


 80.1262, 0.4094,  
0.4985

 88.3221, 0.3046,  
0.3142


 79.8625, 0.4129,  
0.5057

 88.4435, 0.3051,  
0.3142

 79.6809, 0.4143,  
0.5093

 88.5653, 0.3055,  
0.3143

 88.6876, 0.3059,  
0.3143

 88.8104, 0.3064,  
0.3143

# Harmonies

## Analogous

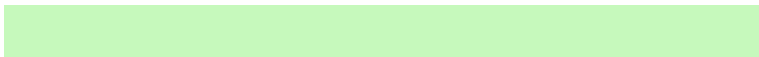
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3245, 0.3868, 0.3887



83.3245, 0.3566, 0.4044



83.3245, 0.3158, 0.3978

# Triad

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



83.3245, 0.3566, 0.4044



83.3245, 0.2352, 0.2900



83.3245, 0.3479, 0.2937

# Complementary

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



83.3245, 0.3566, 0.4044



42.8403, 0.2610, 0.2414

# 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.



83.3245, 0.3051, 0.2708



83.3245, 0.3566, 0.4044



83.3245, 0.2423, 0.2671

# Square

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



83.3245, 0.3566, 0.4044



83.3245, 0.2470, 0.3270



83.3245, 0.2669, 0.2610



83.3245, 0.3825, 0.3251

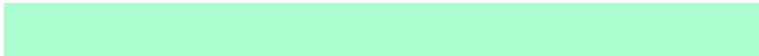


# Rectangle

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



83.3245, 0.3566, 0.4044



83.3245, 0.2884, 0.3800



83.3245, 0.2669, 0.2610



83.3245, 0.3339, 0.2849

# Sweetspot

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



83.3282, 0.3566, 0.4044



98.4847, 0.3257, 0.3512



49.7977, 0.3799, 0.3305



21.0308, 0.3279, 0.3549



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

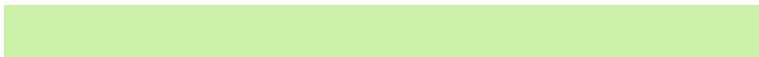
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3282, 0.3566, 0.4044



94.9366, 0.3653, 0.4195



77.8266, 0.3316, 0.4110



18.4346, 0.3264, 0.3524



43.6208, 0.4144, 0.5092



3.6361, 0.4151, 0.5086



# Inverse Universe

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



42.8403, 0.2610, 0.2414



41.5738, 0.2485, 0.2204



47.2973, 0.2878, 0.2477



15.2503, 0.2984, 0.3046



3.4779, 0.1509, 0.0605

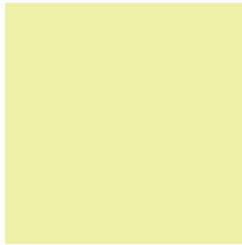


0.2969, 0.1532, 0.0618



# Previews

## White Background



This preview shows how the Yxy color 83.3245, 0.3566, 0.4044 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

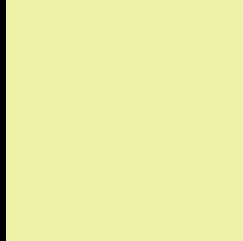
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.3245, 0.3566, 0.4044 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

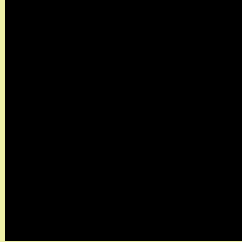
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

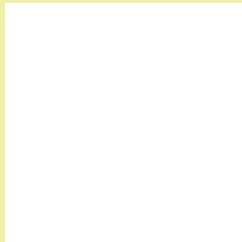
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.3245, 0.3566, 0.4044**

## Background



This preview shows how black text looks on a background with the Yxy color 83.3245, 0.3566, 0.4044.

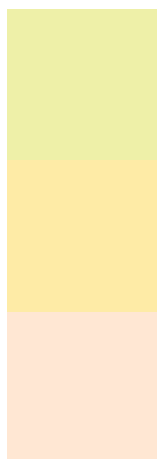


This preview shows how white text looks on a background with the Yxy color 83.3245, 0.3566, 0.4044.

# 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

83.3245, 0.3566, 0.4044

### Protanopia

83.2407, 0.3711, 0.3987

### Deuteranopia

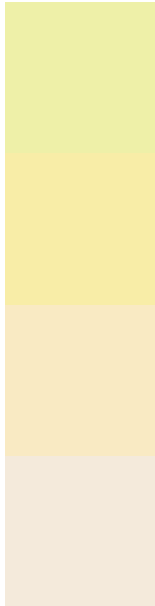
83.1150, 0.3427, 0.3491



## Tritanopia

83.3274, 0.3136, 0.3112

# Trichromacy



## Original Color

83.3245, 0.3566, 0.4044

## Protanomaly

83.3149, 0.3654, 0.4007

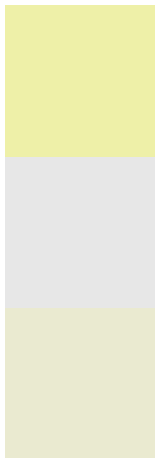
## Deuteranomaly

82.9255, 0.3485, 0.3689

## Tritanomaly

83.1932, 0.3291, 0.3443

# Monochromacy



## Original Color

83.3245, 0.3566, 0.4044

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

80.8921, 0.3293, 0.3564

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.3245, 0.3566, 0.4044 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(238, 240, 168)` looks like.

```
.text, #text, p{  
    color:rgb(238, 240, 168)  
}
```

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(238, 240, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 240, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 83.3245, 0.3566, 0.4044 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(238, 240, 168) }
```

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

```
.border{ border-color:rgb(238, 240, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 240, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 240, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 240, 168);  
box-shadow:4px 4px 4px 4px rgb(238, 240,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.3245, 0.3566, 0.4044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 240, 168) }
```

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

```
.background{ background-color: rgb(238,  
240, 168) }
```

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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