

# Converting Colors

$Y_{xy}(86.1811, 0.3532, 0.3822)$

Have a look what the booklet for  
Yxy(86.1811, 0.3532, 0.3822)  
contains.

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# Color

**Yxy(86.2320, 0.3532, 0.3828)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAF0BB
RGB	250, 240, 187
RGB Percent	98%, 94%, 73%
CMY	0.0195, 0.0588, 0.2666
CMYK	0.00, 0.04, 0.25, 0.02
HSL	50°, 86%, 86%
HSV	50°, 25%, 98%
XYZ	79.5641, 86.2320, 59.4703
YIQ	236.9480, 22.9730, -14.3630

# Conversions

## Conversions Part 2

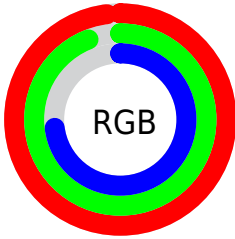
Format	Color
R <sub>Y</sub> B	199, 250, 187
Decimal	16445627
CIE Lab	94.41, -4.69, 26.88
CIE LCh	94, 27.285, 99.887
Yxy	86.2320, 0.3532, 0.3828
Android (android.graphics.Color)	4294635707 (0xFFFAF0BB)
YUV	236.9480, -24.6244, 11.4466
Hunter-Lab	92.8612, -9.5670, 27.0322

# Details

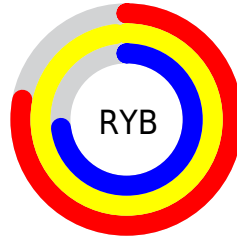
The Yxy color **86.2320, 0.3532, 0.3828** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.4270, 0.2702, 0.2688**, and the grayscale version is **84.8321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **47.3119, 0.3622, 0.3952** is the 20% darker color. If you saturate the color by 10%, you get **82.9368, 0.3704, 0.4044**, and if you desaturate by 10%, it is **89.7729, 0.3365, 0.3610**.

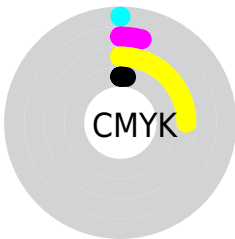
# Distribution



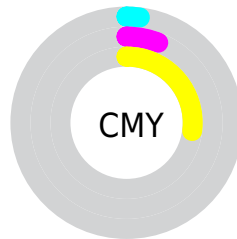
- Red (98%)
- Green (94%)
- Blue (73%)



- Red (78%)
- Yellow (98%)
- Blue (73%)



- Cyan (0%)
- Magenta (4%)
- Yellow (25%)
- Black (2%)




- Cyan (2%)
- Magenta (6%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.2320, 0.3532, 0.3828 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 86.2320, 0.3532, 0.3828 by changing the saturation by 10% instead.




 86.2320, 0.3532,  
0.3828

 86.2320, 0.3532,  
0.3828


515.6959, 0.3353,  
0.3585

 64.8598, 0.3571,  
0.3882

 142.0932, 0.3471,  
0.3745

 47.3474, 0.3618,  
0.3947

177.3510, 0.3447,  
0.3713

 33.3104, 0.3675,  
0.4028


218.0062, 0.3427,  
0.3684

 22.3643, 0.3747,  
0.4130

264.4431, 0.3408,  
0.3660

 14.1249, 0.3839,  
0.4265

317.0461, 0.3392,  
0.3638

 8.2076, 0.3958,  
0.4446

376.1996, 0.3377,

 4.2280, 0.4115,

0.3618

0.4699

442.2881, 0.3364,  
0.3601

■ 1.8019, 0.4601,  
0.5399

■ 0.4884, 0.4173,  
0.5827

■ 86.2320, 0.3532,  
0.3828

■ 86.2320, 0.3532,  
0.3828

■ 82.9368, 0.3704,  
0.4044

■ 89.7729, 0.3365,  
0.3610

■ 79.8657, 0.3875,  
0.4250

■ 93.5571, 0.3206,  
0.3397

■ 77.0117, 0.4038,  
0.4435

■ 97.1366, 0.3098,  
0.3261

■ 74.3628, 0.4187,  
0.4591

■ 99.0705, 0.3097,  
0.3290

■ 71.9055, 0.4314,  
0.4706

■ 69.6242, 0.4414,  
0.4776

■ 67.4995, 0.4485,  
0.4800

■ 66.5232, 0.4512,  
0.4800

# Harmonies

## Analogous

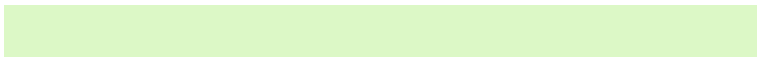
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2320, 0.3714, 0.3685



86.2320, 0.3532, 0.3828



86.2320, 0.3246, 0.3821

# Triad

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



86.2320, 0.3532, 0.3828



86.2320, 0.2557, 0.3079



86.2320, 0.3301, 0.2967

# Complementary

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



86.2320, 0.3532, 0.3828



57.4270, 0.2702, 0.2688

# 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.



86.2320, 0.2985, 0.2818



86.2320, 0.3532, 0.3828



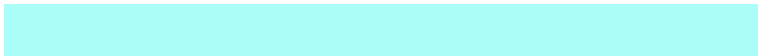
86.2320, 0.2569, 0.2869

# Square

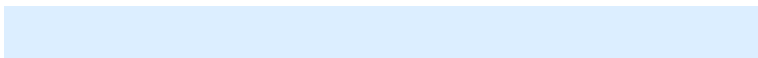
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.2320, 0.3532, 0.3828



86.2320, 0.2688, 0.3368



86.2320, 0.2721, 0.2780



86.2320, 0.3579, 0.3194

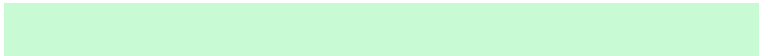


# Rectangle

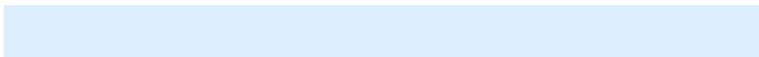
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.2320, 0.3532, 0.3828



86.2320, 0.3037, 0.3722



86.2320, 0.2721, 0.2780



86.2320, 0.3195, 0.2907

# Sweetspot

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



86.2359, 0.3532, 0.3828



96.6990, 0.3249, 0.3456



59.9312, 0.3574, 0.3181



20.5688, 0.3273, 0.3488



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.



86.2359, 0.3532, 0.3828



88.4836, 0.3615, 0.3933



88.6438, 0.3366, 0.3952



19.6921, 0.3273, 0.3488



35.4524, 0.4506, 0.4804



3.4056, 0.4462, 0.4839



# Inverse Universe

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



57.4270, 0.2702, 0.2688



53.8696, 0.2610, 0.2552



55.8629, 0.2840, 0.2599



17.0895, 0.2979, 0.3084



4.5928, 0.1537, 0.0734

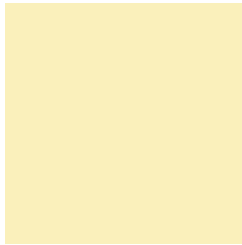


0.5507, 0.1588, 0.0917



# Previews

## White Background



This preview shows how the Yxy color 86.2320, 0.3532, 0.3828 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

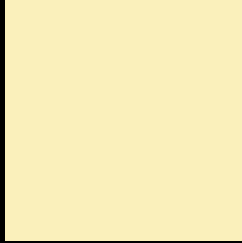
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.2320, 0.3532, 0.3828 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

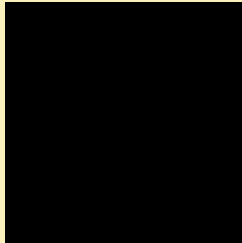
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.2320, 0.3532, 0.3828**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.2320, 0.3532, 0.3828.



This preview shows how white text looks on a background with the Yxy color 86.2320, 0.3532, 0.3828.

# 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

86.2320, 0.3532, 0.3828

### Protanopia

86.5382, 0.3576, 0.3822

### Deuteranopia

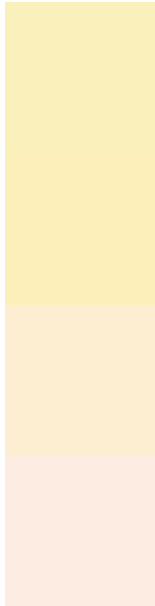
85.9506, 0.3347, 0.3420



## Tritanopia

86.3151, 0.3181, 0.3144

# Trichromacy



## Original Color

86.2320, 0.3532, 0.3828

## Protanomaly

86.1608, 0.3562, 0.3825

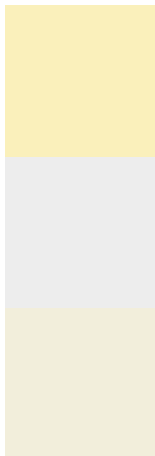
## Deuteranomaly

86.0545, 0.3416, 0.3571

## Tritanomaly

86.3645, 0.3306, 0.3390

# Monochromacy



## Original Color

86.2320, 0.3532, 0.3828

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

85.1408, 0.3273, 0.3484

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.2320, 0.3532, 0.3828 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(250, 240, 187)` looks like.

```
.text, #text, p{  
    color:rgb(250, 240, 187)  
}
```

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(250, 240, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 240, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 86.2320, 0.3532, 0.3828 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(250, 240, 187) }
```

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

```
.border{ border-color:rgb(250, 240, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 240, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 240, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 240, 187);  
box-shadow:4px 4px 4px 4px rgb(250, 240,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.2320, 0.3532, 0.3828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 240, 187) }
```

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

```
.background{ background-color: rgb(250,  
240, 187) }
```

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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