

# Converting Colors

$Y_{xy}(82.2720, 0.3205, 0.3335)$

Have a look what the booklet for  
Yxy(82.2720, 0.3205, 0.3335)  
contains.

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# Color

**Yxy(82.4045, 0.3206, 0.3341)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0E9E4
RGB	240, 233, 228
RGB Percent	94%, 91%, 89%
CMY	0.0589, 0.0862, 0.1057
CMYK	0.00, 0.03, 0.05, 0.06
HSL	25°, 28%, 92%
HSV	25°, 5%, 94%
XYZ	79.0748, 82.4045, 85.1669
YIQ	234.5230, 5.7770, -0.0710

# Conversions

## Conversions Part 2

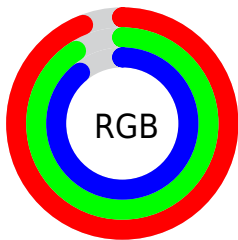
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 237, 228
Decimal	15788516
CIE Lab	92.75, 1.50, 3.23
CIE LCh	93, 3.559, 65.164
Yxy	82.4045, 0.3206, 0.3341
Android (android.graphics.Color)	4293978596 (0xFFFF0E9E4)
YUV	234.5230, -3.2158, 4.8033
Hunter-Lab	90.7769, -3.3702, 7.9180

# Details

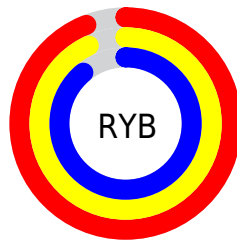
The Yxy color **82.4045, 0.3206, 0.3341** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **82.2095, 0.3051, 0.3238**, and the grayscale version is **82.7192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6518, 0.3222, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **73.5491, 0.3384, 0.3449**, and if you desaturate by 10%, it is **92.0813, 0.3053, 0.3240**.

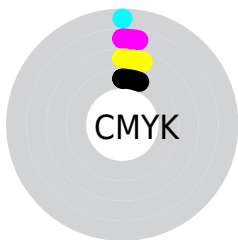
# Distribution



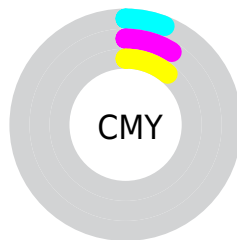
- Red (94%)
- Green (91%)
- Blue (89%)



- Red (94%)
- Yellow (93%)
- Blue (89%)



- Cyan (0%)
- Magenta (3%)
- Yellow (5%)
- Black (6%)




- Cyan (6%)
- Magenta (9%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4045, 0.3206, 0.3341 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 82.4045, 0.3206, 0.3341 by changing the saturation by 10% instead.




 82.4045, 0.3206,  
0.3341

 82.4045, 0.3206,  
0.3341


502.9997, 0.3170,  
0.3318

 61.6990, 0.3214,  
0.3346


136.7411, 0.3194,  
0.3333

 44.7895, 0.3224,  
0.3352


171.1410, 0.3189,  
0.3330

 31.2917, 0.3236,  
0.3360


210.8745, 0.3185,  
0.3327

 20.8211, 0.3252,  
0.3370

256.3260, 0.3181,  
0.3325

 12.9933, 0.3273,  
0.3384

307.8799, 0.3178,  
0.3323

 7.4239, 0.3304,  
0.3403

365.9205, 0.3175,

 3.7286, 0.3349,

0.3321

430.8323, 0.3173,  
0.3320

0.3431

1.5229, 0.3427,  
0.3478

0.3048, 0.4426,  
0.4135

82.4045, 0.3206,  
0.3341

82.4045, 0.3206,  
0.3341

73.5491, 0.3384,  
0.3449

92.0813, 0.3053,  
0.3240

65.4822, 0.3590,  
0.3562

97.2603, 0.3035,  
0.3290

58.1844, 0.3827,  
0.3676

51.6311, 0.4094,  
0.3787

■ 45.7966, 0.4390,  
0.3886

■ 40.6534, 0.4704,  
0.3961

■ 36.1718, 0.5020,  
0.3999

■ 32.3191, 0.5316,  
0.3988

■ 29.0585, 0.5567,  
0.3922

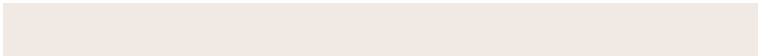
# Harmonies

## Analogous

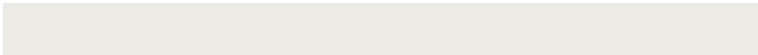
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4045, 0.3204, 0.3309



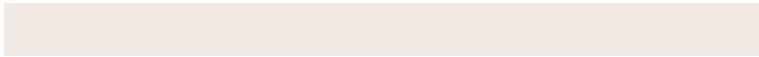
82.4045, 0.3206, 0.3341



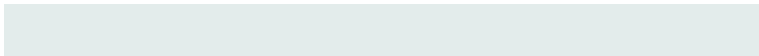
82.4045, 0.3186, 0.3359

# Triad

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



82.4045, 0.3206, 0.3341



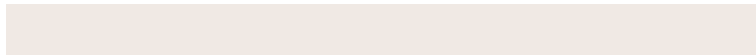
82.4045, 0.3073, 0.3307



82.4045, 0.3103, 0.3222

# Complementary

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



82.4045, 0.3206, 0.3341



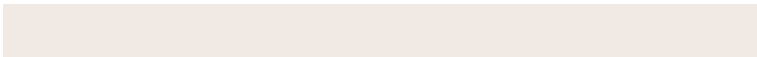
82.2095, 0.3051, 0.3238

# Split Complementary

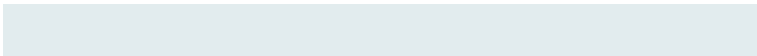
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.4045, 0.3068, 0.3221



82.4045, 0.3206, 0.3341



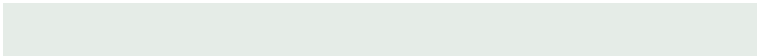
82.4045, 0.3051, 0.3270

# Square

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



82.4045, 0.3206, 0.3341



82.4045, 0.3109, 0.3340



82.4045, 0.3049, 0.3239

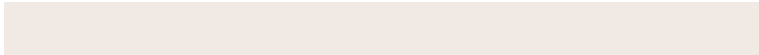


82.4045, 0.3145, 0.3241



# Rectangle

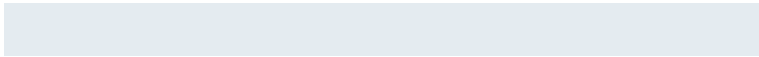
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.4045, 0.3206, 0.3341



82.4045, 0.3164, 0.3361



82.4045, 0.3049, 0.3239



82.4045, 0.3090, 0.3220

# Sweetspot

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



82.4081, 0.3206, 0.3341



98.8911, 0.3143, 0.3300



80.0406, 0.3163, 0.3217



21.1785, 0.3142, 0.3300



0.0000, 0.0000, 0.0000

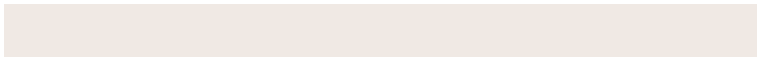


21.4041, 0.3127, 0.3290

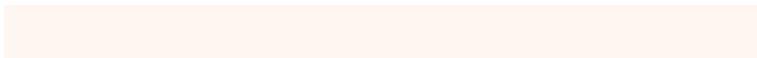


# Same Dimension

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



82.4081, 0.3206, 0.3341



93.4887, 0.3223, 0.3352



85.7276, 0.3201, 0.3399



17.3913, 0.3234, 0.3358



15.3738, 0.5649, 0.3897



1.4710, 0.5414, 0.4083

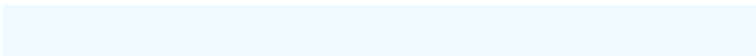


# Inverse Universe

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



82.2095, 0.3051, 0.3238



93.2145, 0.3034, 0.3227



78.9599, 0.3052, 0.3178



17.3349, 0.3025, 0.3221



13.9881, 0.1852, 0.1866

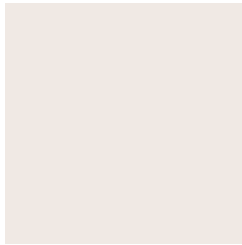


1.3596, 0.1909, 0.2072



# Previews

## White Background



This preview shows how the Yxy color 82.4045, 0.3206, 0.3341 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

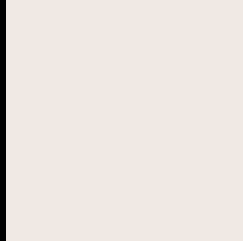
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.4045, 0.3206, 0.3341 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

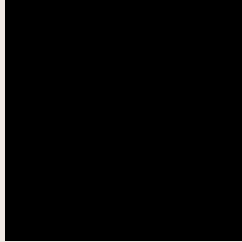
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

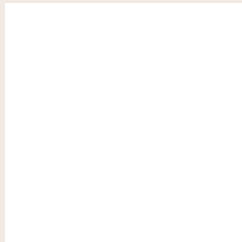
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.4045, 0.3206, 0.3341**

## Background



This preview shows how black text looks on a background with the Yxy color 82.4045, 0.3206, 0.3341.

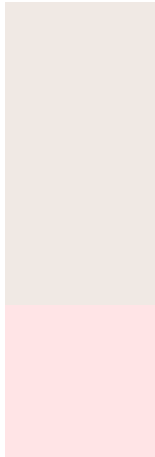


This preview shows how white text looks on a background with the Yxy color 82.4045, 0.3206, 0.3341.

# 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

82.4045, 0.3206, 0.3341

### Protanopia

82.4045, 0.3206, 0.3341

### Deuteranopia

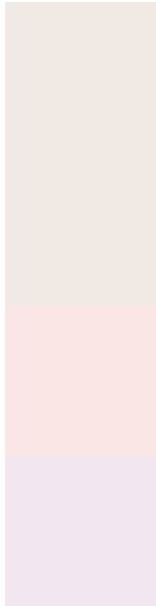
82.4600, 0.3303, 0.3271



## Tritanopia

82.4256, 0.3102, 0.3110

# Trichromacy



## Original Color

82.4045, 0.3206, 0.3341

## Protanomaly

82.4045, 0.3206, 0.3341

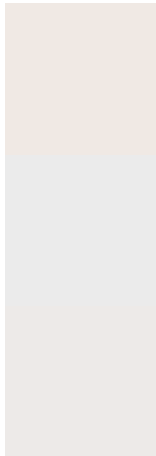
## Deuteranomaly

82.5748, 0.3272, 0.3300

## Tritanomaly

82.3799, 0.3139, 0.3189

# Monochromacy



## Original Color

82.4045, 0.3206, 0.3341

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

82.6764, 0.3160, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.4045, 0.3206, 0.3341 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(240, 233, 228)` looks like.

```
.text, #text, p{  
    color:rgb(240, 233, 228)  
}
```

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(240, 233, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 233, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 82.4045, 0.3206, 0.3341 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(240, 233, 228) }
```

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

```
.border{ border-color:rgb(240, 233, 228) }
```

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

Here you see how a box with a 4 pixel rgb(240, 233, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 233, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 233, 228);  
box-shadow:4px 4px 4px 4px rgb(240, 233,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.4045, 0.3206, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 233, 228) }
```

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

```
.background{ background-color: rgb(240,  
233, 228) }
```

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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