

# Converting Colors

$Y_{xy}(81.6176, 0.3286, 0.3449)$

Have a look what the booklet for  
Yxy(81.6176, 0.3286, 0.3449)  
contains.

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# Color

**Yxy(81.4238, 0.3286, 0.3445)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1E8D9
RGB	241, 232, 217
RGB Percent	95%, 91%, 85%
CMY	0.0547, 0.0902, 0.1490
CMYK	0.00, 0.04, 0.10, 0.05
HSL	37°, 46%, 90%
HSV	37°, 10%, 95%
XYZ	77.6658, 81.4238, 77.2640
YIQ	232.9810, 10.1790, -2.7570

# Conversions

## Conversions Part 2

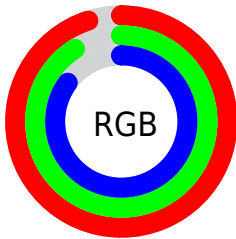
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 241, 217
Decimal	15853785
CIE Lab	92.32, 0.55, 8.37
CIE LCh	92, 8.387, 86.225
Yxy	81.4238, 0.3286, 0.3445
Android (android.graphics.Color)	4294043865 (0xFFFF1E8D9)
YUV	232.9810, -7.8786, 7.0327
Hunter-Lab	90.2351, -4.2758, 12.3974

# Details

The Yxy color **81.4238, 0.3286, 0.3445** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.5189, 0.2972, 0.3130**, and the grayscale version is **81.5307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.9736, 0.3325, 0.3477** is the 20% darker color. If you saturate the color by 10%, you get **75.2894, 0.3463, 0.3608**, and if you desaturate by 10%, it is **88.0119, 0.3127, 0.3290**.

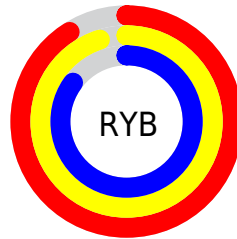
# Distribution



Red (95%)

Green (91%)

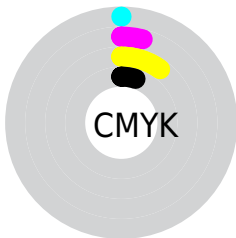
Blue (85%)



Red (91%)

Yellow (95%)

Blue (85%)

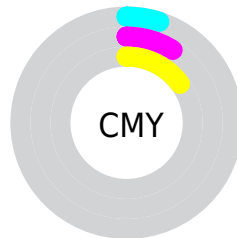


Cyan (0%)

Magenta (4%)

Yellow (10%)

Black (5%)



Cyan (5%)

Magenta (9%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4238, 0.3286, 0.3445 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 81.4238, 0.3286, 0.3445 by changing the saturation by 10% instead.



81.4238, 0.3286,  
0.3445

81.4238, 0.3286,  
0.3445

499.7183, 0.3214,  
0.3375

60.8907, 0.3302,  
0.3461

135.3657, 0.3261,  
0.3421

44.1370, 0.3322,  
0.3480

169.5432, 0.3252,  
0.3411

30.7782, 0.3347,  
0.3504

209.0378, 0.3243,  
0.3403

20.4300, 0.3379,  
0.3535

254.2336, 0.3236,  
0.3396

12.7080, 0.3422,  
0.3577

305.5152, 0.3229,  
0.3390

7.2278, 0.3483,  
0.3636

363.2669, 0.3224,

3.6050, 0.3575,

0.3384

0.3724

427.8731, 0.3218,  
0.3379

■ 1.4551, 0.3731,  
0.3873

■ 0.2568, 0.5007,  
0.4993

■ 81.4238, 0.3286,  
0.3445

■ 81.4238, 0.3286,  
0.3445

■ 75.2894, 0.3463,  
0.3608

■ 88.0119, 0.3127,  
0.3290

■ 69.5862, 0.3659,  
0.3775

■ 94.3797, 0.3042,  
0.3242

■ 64.3053, 0.3870,  
0.3940

■ 97.4478, 0.3042,  
0.3290

■ 59.4333, 0.4093,  
0.4095

■ 54.9560, 0.4320,  
0.4230

■ 50.8578, 0.4542,  
0.4333

■ 47.1214, 0.4747,  
0.4392

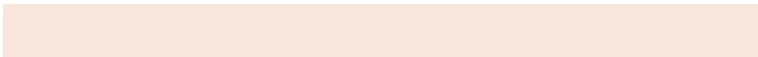
■ 43.7269, 0.4923,  
0.4399

■ 40.6439, 0.5067,  
0.4358

# Harmonies

## Analogous

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



81.4238, 0.3319, 0.3389



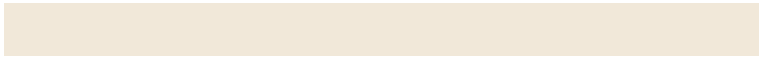
81.4238, 0.3286, 0.3445



81.4238, 0.3211, 0.3460

# Triad

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



81.4238, 0.3286, 0.3445



81.4238, 0.2958, 0.3268



81.4238, 0.3138, 0.3158

# Complementary

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



81.4238, 0.3286, 0.3445



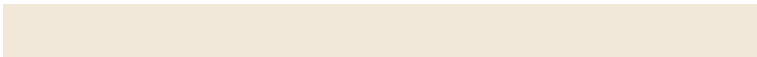
75.5189, 0.2972, 0.3130

# 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.



81.4238, 0.3042, 0.3126



81.4238, 0.3286, 0.3445



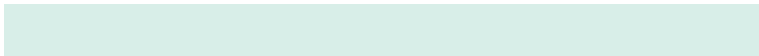
81.4238, 0.2939, 0.3187

# Square

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



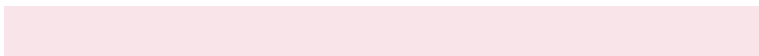
81.4238, 0.3286, 0.3445



81.4238, 0.3022, 0.3356



81.4238, 0.2970, 0.3136



81.4238, 0.3233, 0.3225



# Rectangle

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



81.4238, 0.3286, 0.3445



81.4238, 0.3147, 0.3443



81.4238, 0.2970, 0.3136



81.4238, 0.3105, 0.3143

# Sweetspot

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



81.4274, 0.3286, 0.3445



97.6946, 0.3173, 0.3336



73.8335, 0.3239, 0.3195



20.7805, 0.3186, 0.3348



0.0000, 0.0000, 0.0000

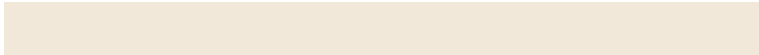


21.4041, 0.3127, 0.3290



# Same Dimension

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



81.4274, 0.3286, 0.3445



91.0576, 0.3321, 0.3478



86.1615, 0.3257, 0.3537



17.4017, 0.3278, 0.3437



22.2959, 0.5050, 0.4372



2.0455, 0.4907, 0.4486

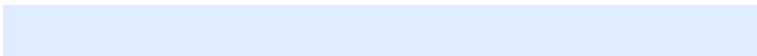


# Inverse Universe

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



75.5189, 0.2972, 0.3130



83.0712, 0.2939, 0.3095



71.1609, 0.2990, 0.3033



16.2031, 0.2980, 0.3139



7.7086, 0.1665, 0.1195

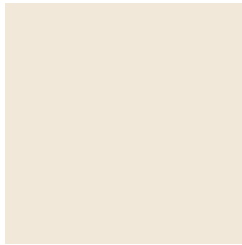


0.8267, 0.1738, 0.1457



# Previews

## White Background



This preview shows how the Yxy color 81.4238, 0.3286, 0.3445 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

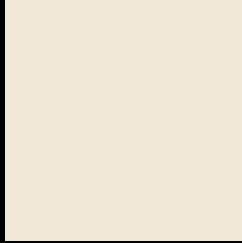
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.4238, 0.3286, 0.3445 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

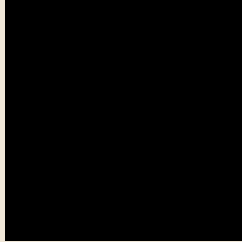
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

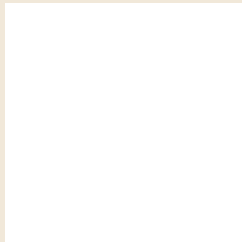
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.4238, 0.3286, 0.3445**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.4238, 0.3286, 0.3445.

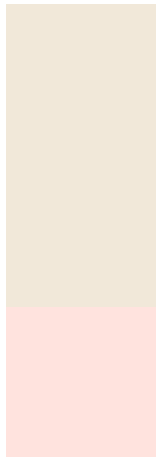


This preview shows how white text looks on a background with the Yxy color 81.4238, 0.3286, 0.3445.

# 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

81.4238, 0.3286, 0.3445

### Protanopia

81.4238, 0.3286, 0.3445

### Deuteranopia

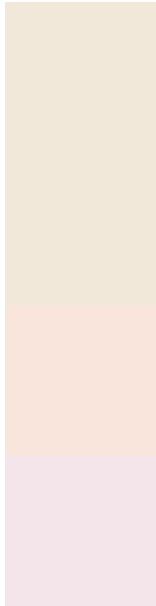
81.4721, 0.3358, 0.3341



## Tritanopia

81.5531, 0.3129, 0.3110

# Trichromacy



## Original Color

81.4238, 0.3286, 0.3445

## Protanomaly

81.4238, 0.3286, 0.3445

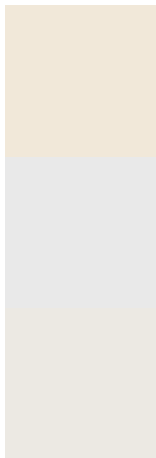
## Deuteranomaly

81.5299, 0.3333, 0.3382

## Tritanomaly

81.2699, 0.3192, 0.3230

# Monochromacy



## Original Color

81.4238, 0.3286, 0.3445

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

81.6567, 0.3185, 0.3352

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.4238, 0.3286, 0.3445 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(241, 232, 217)` looks like.

```
.text, #text, p{  
    color:rgb(241, 232, 217)  
}
```

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(241, 232, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 232, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 81.4238, 0.3286, 0.3445 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(241, 232, 217) }
```

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

```
.border{ border-color:rgb(241, 232, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 232, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 232, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 232, 217);  
box-shadow:4px 4px 4px 4px rgb(241, 232,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.4238, 0.3286, 0.3445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 232, 217) }
```

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

```
.background{ background-color: rgb(241,  
232, 217) }
```

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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