

# Converting Colors

$Yxy(81.9076, 0.3208, 0.3447)$

Have a look what the booklet for  
Yxy(81.9076, 0.3208, 0.3447)  
contains.

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# Color

**Yxy(81.9076, 0.3208, 0.3447)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9EBDC
RGB	233, 235, 220
RGB Percent	91%, 92%, 86%
CMY	0.0863, 0.0784, 0.1374
CMYK	0.01, 0.00, 0.06, 0.08
HSL	68°, 27%, 89%
HSV	68°, 6%, 92%
XYZ	76.2285, 81.9076, 79.4839
YIQ	232.6920, 3.6230, -5.0890

# Conversions

## Conversions Part 2

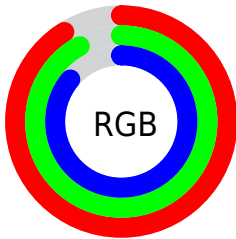
Format	Color
<a href="#">RYB</a>	<a href="#">220, 235, 222</a>
Decimal	<a href="#">15330268</a>
CIELab	<a href="#">92.53, -3.27, 7.05</a>
CIElCh	<a href="#">93, 7.769, 114.911</a>
Yxy	<a href="#">81.9076, 0.3208, 0.3447</a>
Android (android.graphics.Color)	<a href="#">4293520348</a> ( <a href="#">0xFFE9EBDC</a> )
YUV	<a href="#">232.6920, -6.2572, 0.2701</a>
Hunter-Lab	<a href="#">90.5028, -8.0334, 11.2807</a>

# Details

The Yxy color **81.9076, 0.3208, 0.3447** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.6985, 0.3043, 0.3129**, and the grayscale version is **81.2890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3039, 0.3223, 0.3479** is the 20% darker color. If you saturate the color by 10%, you get **80.2295, 0.3337, 0.3702**, and if you desaturate by 10%, it is **83.7772, 0.3082, 0.3204**.

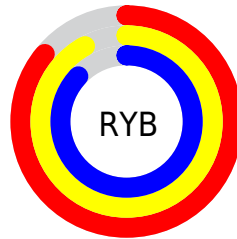
# Distribution



Red (91%)

Green (92%)

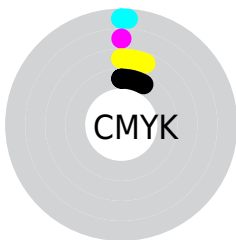
Blue (86%)



Red (86%)

Yellow (92%)

Blue (87%)

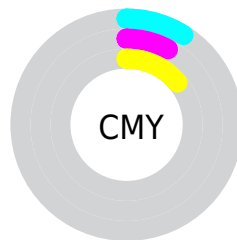


Cyan (1%)

Magenta (0%)

Yellow (6%)

Black (8%)



Cyan (9%)

Magenta (8%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.9076, 0.3208, 0.3447 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 81.9076, 0.3208, 0.3447 by changing the saturation by 10% instead.



81.9076, 0.3208,  
0.3447

81.9076, 0.3208,  
0.3447

501.3386, 0.3172,  
0.3375

61.2894, 0.3216,  
0.3463

136.0444, 0.3196,  
0.3422

44.4587, 0.3226,  
0.3483

170.3318, 0.3191,  
0.3413

31.0313, 0.3238,  
0.3508

209.9444, 0.3186,  
0.3404

20.6227, 0.3254,  
0.3540

255.2665, 0.3183,  
0.3397

12.8485, 0.3276,  
0.3584

306.6826, 0.3179,  
0.3391

7.3243, 0.3305,  
0.3646

364.5770, 0.3177,

3.6657, 0.3349,

0.3385

0.3741

429.3342, 0.3174,  
0.3380

■ 1.4884, 0.3422,  
0.3904

■ 0.2805, 0.3997,  
0.6003

■ 81.9076, 0.3208,  
0.3447

■ 81.9076, 0.3208,  
0.3447

■ 80.2295, 0.3337,  
0.3702

■ 83.7772, 0.3082,  
0.3204

■ 78.7250, 0.3466,  
0.3963


■ 85.0389, 0.3033,  
0.3091


■ 77.3897, 0.3590,  
0.4222


■ 85.5900, 0.3054,  
0.3092

■ 76.2153, 0.3704,  
0.4471


■ 86.1506, 0.3074,  
0.3094

 75.1925, 0.3802,  
0.4698


 86.7207, 0.3095,  
0.3095


 74.3112, 0.3879,  
0.4894


 87.3004, 0.3115,  
0.3096

 73.5599, 0.3932,  
0.5048

 87.8898, 0.3136,  
0.3097

 72.9251, 0.3958,  
0.5158

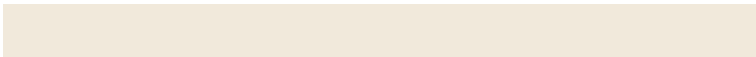
 87.9010, 0.3136,  
0.3097

 72.3899, 0.3960,  
0.5223

# Harmonies

## Analogous

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



81.9076, 0.3276, 0.3432



81.9076, 0.3208, 0.3447



81.9076, 0.3119, 0.3419

# Triad

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



81.9076, 0.3208, 0.3447



81.9076, 0.2953, 0.3198



81.9076, 0.3221, 0.3227

# Complementary

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



81.9076, 0.3208, 0.3447



72.6985, 0.3043, 0.3129

# Split Complementary

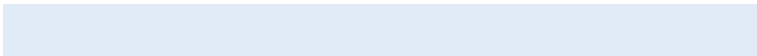
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.9076, 0.3134, 0.3166



81.9076, 0.3208, 0.3447



81.9076, 0.2980, 0.3149

# Square

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



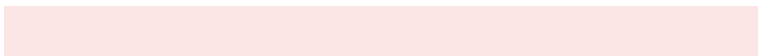
81.9076, 0.3208, 0.3447



81.9076, 0.2973, 0.3273



81.9076, 0.3045, 0.3138



81.9076, 0.3284, 0.3304

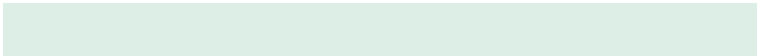


# Rectangle

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



81.9076, 0.3208, 0.3447



81.9076, 0.3060, 0.3379



81.9076, 0.3045, 0.3138



81.9076, 0.3194, 0.3204

# Sweetspot

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



81.9112, 0.3208, 0.3447



99.5471, 0.3152, 0.3339



75.0612, 0.3233, 0.3311



21.3119, 0.3151, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

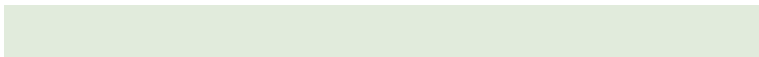
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9112, 0.3208, 0.3447



98.2427, 0.3229, 0.3488



80.6730, 0.3157, 0.3449



17.5192, 0.3247, 0.3524



40.2267, 0.3961, 0.5237



3.1870, 0.3995, 0.5210



# Inverse Universe

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



72.6985, 0.3043, 0.3129



84.4676, 0.3021, 0.3086



73.9117, 0.3096, 0.3132



14.6452, 0.3000, 0.3048



3.5342, 0.1552, 0.0629

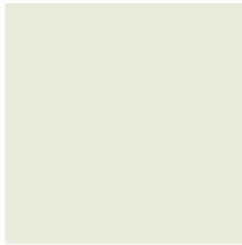


0.3082, 0.1652, 0.0684



# Previews

## White Background



This preview shows how the Yxy color 81.9076, 0.3208, 0.3447 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

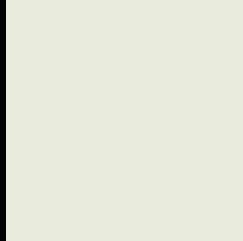
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.9076, 0.3208, 0.3447 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

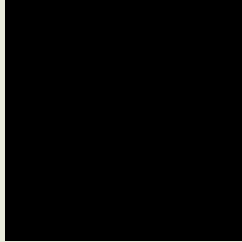
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

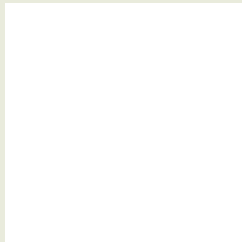
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.9076, 0.3208, 0.3447**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.9076, 0.3208, 0.3447.

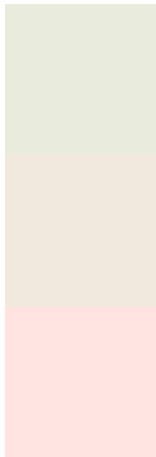


This preview shows how white text looks on a background with the Yxy color 81.9076, 0.3208, 0.3447.

# 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

81.9076, 0.3208, 0.3447

### Protanopia

82.0931, 0.3272, 0.3434

### Deuteranopia

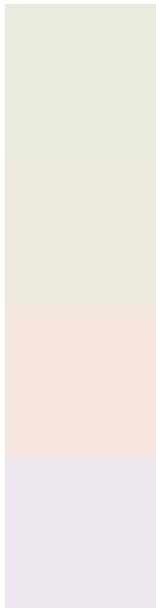
81.5800, 0.3344, 0.3321



## Tritanopia

81.9959, 0.3055, 0.3108

# Trichromacy



## Original Color

81.9076, 0.3208, 0.3447

## Protanomaly

82.1373, 0.3250, 0.3445

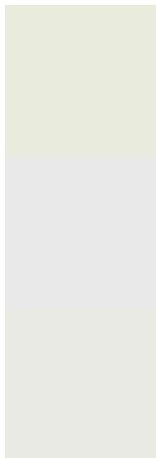
## Deuteranomaly

81.6955, 0.3291, 0.3361

## Tritanomaly

81.7191, 0.3117, 0.3229

# Monochromacy



## Original Color

81.9076, 0.3208, 0.3447

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

81.7707, 0.3158, 0.3352

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.9076, 0.3208, 0.3447 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(233, 235, 220)` looks like.

```
.text, #text, p{  
    color:rgb(233, 235, 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(233, 235, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 235, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 81.9076, 0.3208, 0.3447 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(233, 235, 220) }
```

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

```
.border{ border-color:rgb(233, 235, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 235, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 235, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 235, 220);  
box-shadow:4px 4px 4px 4px rgb(233, 235,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.9076, 0.3208, 0.3447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 235, 220) }
```

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

```
.background{ background-color: rgb(233,  
235, 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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