

# Converting Colors

$Yxy(81.3126, 0.3516, 0.4018)$

Have a look what the booklet for  
Yxy(81.3126, 0.3516, 0.4018)  
contains.

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# Color

**Yxy(81.2072, 0.3515, 0.4015)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8EEAA
RGB	232, 238, 170
RGB Percent	91%, 93%, 67%
CMY	0.0904, 0.0666, 0.3333
CMYK	0.03, 0.00, 0.29, 0.07
HSL	65°, 67%, 80%
HSV	65°, 29%, 93%
XYZ	71.0942, 81.2072, 49.9581
YIQ	228.4540, 18.2520, -22.4200

# Conversions

## Conversions Part 2

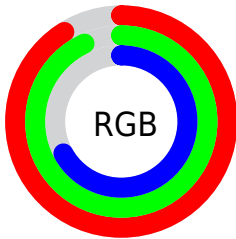
Format	Color
<a href="#">RYB</a>	<a href="#">170, 238, 176</a>
Decimal	<a href="#">15265450</a>
CIELab	<a href="#">92.22, -12.61, 32.34</a>
CIElCh	<a href="#">92, 34.707, 111.301</a>
Yxy	<a href="#">81.2072, 0.3515, 0.4015</a>
Android (android.graphics.Color)	<a href="#">4293455530 (0xFFE8EEAA)</a>
YUV	<a href="#">228.4540, -28.8178, 3.1098</a>
Hunter-Lab	<a href="#">90.1150, -16.8778, 30.2113</a>

# Details

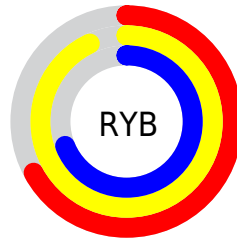
The Yxy color **81.2072, 0.3515, 0.4015** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **44.1654, 0.2670, 0.2470**, and the grayscale version is **78.1342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **43.9704, 0.3599, 0.4182** is the 20% darker color. If you saturate the color by 10%, you get **80.0359, 0.3645, 0.4268**, and if you desaturate by 10%, it is **82.5531, 0.3379, 0.3757**.

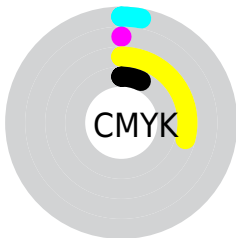
# Distribution



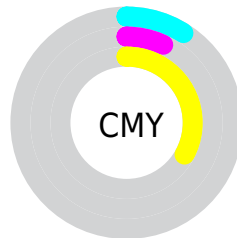
- Red (91%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (69%)



- Cyan (3%)
- Magenta (0%)
- Yellow (29%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.2072, 0.3515, 0.4015 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 81.2072, 0.3515, 0.4015 by changing the saturation by 10% instead.





 81.2072, 0.3515,  
0.4015

 81.2072, 0.3515,  
0.4015


498.9919, 0.3346,  
0.3680

 60.7123, 0.3551,  
0.4090

 135.0617, 0.3458,  
0.3900

 43.9930, 0.3593,  
0.4183


169.1900, 0.3436,  
0.3854

 30.6650, 0.3644,  
0.4299


208.6315, 0.3416,  
0.3815

 20.3439, 0.3706,  
0.4447

253.7708, 0.3399,  
0.3782

 12.6453, 0.3781,  
0.4644

304.9920, 0.3383,  
0.3752

 7.1847, 0.3869,  
0.4911

362.6797, 0.3369,

 3.5779, 0.4013,

0.3725

0.5361

427.2182, 0.3357,  
0.3702

■ 1.4404, 0.4064,  
0.5936

■ 0.2462, 0.0000,  
1.0000

■ 81.2072, 0.3515,  
0.4015

■ 81.2072, 0.3515,  
0.4015

■ 80.0359, 0.3645,  
0.4268

■ 82.5531, 0.3379,  
0.3757

■ 79.0196, 0.3765,  
0.4506


■ 84.0710, 0.3242,  
0.3502


■ 78.1523, 0.3867,  
0.4719

■ 85.7720, 0.3108,  
0.3256

■ 77.4231, 0.3947,  
0.4897


■ 86.9880, 0.3041,  
0.3122

 76.8199, 0.4002,  
0.5033


 87.3638, 0.3054,  
0.3123


 76.3283, 0.4030,  
0.5123


 87.7440, 0.3068,  
0.3123

 75.9272, 0.4035,  
0.5173

 88.1286, 0.3082,  
0.3124

 75.8734, 0.4035,  
0.5178

 88.5176, 0.3095,  
0.3125

 88.9110, 0.3109,  
0.3125

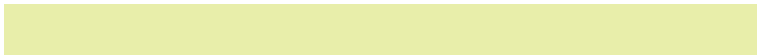
# Harmonies

## Analogous

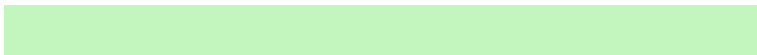
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2072, 0.3817, 0.3884



81.2072, 0.3515, 0.4015



81.2072, 0.3120, 0.3928

# Triad

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



81.2072, 0.3515, 0.4015



81.2072, 0.2382, 0.2891



81.2072, 0.3501, 0.2977

# Complementary

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



81.2072, 0.3515, 0.4015



44.1654, 0.2670, 0.2470

# 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.



81.2072, 0.3093, 0.2747



81.2072, 0.3515, 0.4015



81.2072, 0.2466, 0.2684

# Square

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



81.2072, 0.3515, 0.4015



81.2072, 0.2479, 0.3235



81.2072, 0.2718, 0.2640



81.2072, 0.3817, 0.3284

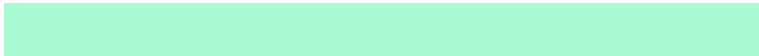


# Rectangle

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



81.2072, 0.3515, 0.4015



81.2072, 0.2860, 0.3747



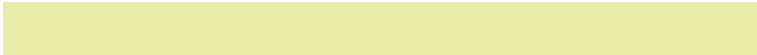
81.2072, 0.2718, 0.2640



81.2072, 0.3368, 0.2889

# Sweetspot

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



81.2108, 0.3515, 0.4015



98.2217, 0.3248, 0.3513



52.0056, 0.3741, 0.3355



20.9655, 0.3268, 0.3550



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.



81.2108, 0.3515, 0.4015



94.1769, 0.3588, 0.4157



76.1180, 0.3277, 0.4074



18.3830, 0.3254, 0.3524



42.3497, 0.4037, 0.5176



3.5440, 0.4059, 0.5159



# Inverse Universe

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



44.1654, 0.2670, 0.2470



44.5728, 0.2563, 0.2284



48.5800, 0.2929, 0.2528



15.2963, 0.2993, 0.3047



3.5579, 0.1529, 0.0616

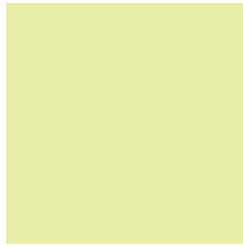


0.3189, 0.1599, 0.0654



# Previews

## White Background



This preview shows how the Yxy color 81.2072, 0.3515, 0.4015 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

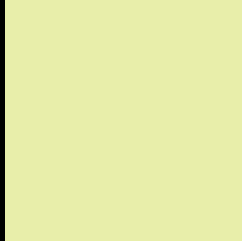
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.2072, 0.3515, 0.4015 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

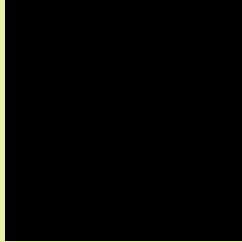
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.2072, 0.3515, 0.4015**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.2072, 0.3515, 0.4015.

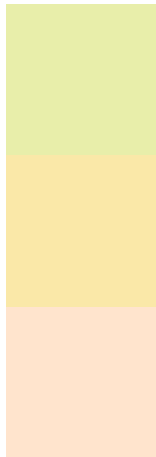


This preview shows how white text looks on a background with the Yxy color 81.2072, 0.3515, 0.4015.

# 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

81.2072, 0.3515, 0.4015

### Protanopia

80.8644, 0.3677, 0.3947

### Deuteranopia

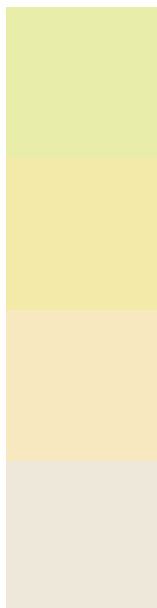
81.1546, 0.3473, 0.3523



## Tritanopia

81.0179, 0.3108, 0.3109

# Trichromacy



## Original Color

81.2072, 0.3515, 0.4015

## Protanomaly

80.7649, 0.3613, 0.3968

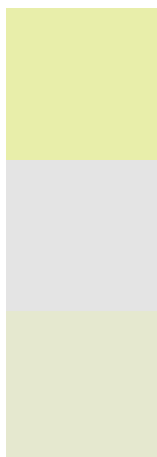
## Deuteranomaly

81.2932, 0.3495, 0.3703

## Tritanomaly

80.9523, 0.3258, 0.3436

# Monochromacy



## Original Color

81.2072, 0.3515, 0.4015

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

78.8762, 0.3266, 0.3557

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.2072, 0.3515, 0.4015 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(232, 238, 170)` looks like.

```
.text, #text, p{  
    color:rgb(232, 238, 170)  
}
```

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(232, 238, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 238, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 81.2072, 0.3515, 0.4015 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(232, 238, 170) }
```

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

```
.border{ border-color:rgb(232, 238, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 238, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 238, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 238, 170);  
box-shadow:4px 4px 4px 4px rgb(232, 238,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.2072, 0.3515, 0.4015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 238, 170) }
```

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

```
.background{ background-color: rgb(232,  
238, 170) }
```

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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