

# Converting Colors

Yxy(81.4338, 0.3157, 0.3403)

Have a look what the booklet for  
Yxy(81.4338, 0.3157, 0.3403)  
contains.

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# Color

**Yxy(81.4565, 0.3155, 0.3405)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5EBE0
RGB	229, 235, 224
RGB Percent	90%, 92%, 88%
CMY	0.1020, 0.0784, 0.1214
CMYK	0.03, 0.00, 0.05, 0.08
HSL	93°, 22%, 90%
HSV	93°, 5%, 92%
XYZ	75.4758, 81.4565, 82.2938
YIQ	231.9520, -0.0450, -4.6930

# Conversions

## Conversions Part 2

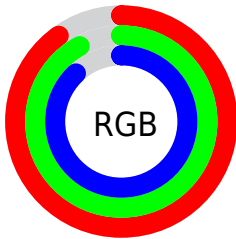
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 235, 230
Decimal	15068128
CIE <sub>Lab</sub>	92.33, -3.95, 4.60
CIE <sub>LCh</sub>	92, 6.064, 130.596
Yxy	81.4565, 0.3155, 0.3405
Android (android.graphics.Color)	4293258208 (0xFFE5EBE0)
<b>YUV</b>	231.9520, -3.9203, -2.5889
Hunter-Lab	90.2533, -8.6695, 9.1161

# Details

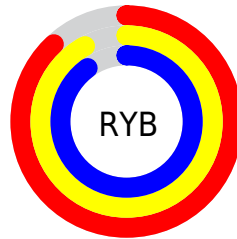
The Yxy color **81.4565, 0.3155, 0.3405** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.1659, 0.3098, 0.3175**, and the grayscale version is **80.6902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.1034, 0.3164, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **78.2261, 0.3214, 0.3669**, and if you desaturate by 10%, it is **85.0281, 0.3096, 0.3165**.

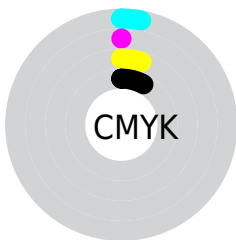
# Distribution



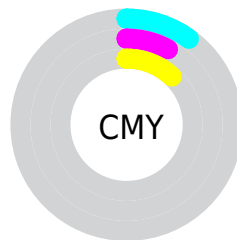
- Red (90%)
- Green (92%)
- Blue (88%)



- Red (88%)
- Yellow (92%)
- Blue (90%)



- Cyan (3%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)



- Cyan (10%)
- Magenta (8%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4565, 0.3155, 0.3405 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 81.4565, 0.3155, 0.3405 by changing the saturation by 10% instead.



81.4565, 0.3155,  
0.3405

81.4565, 0.3155,  
0.3405

499.8279, 0.3143,  
0.3353

60.9176, 0.3158,  
0.3417

135.4116, 0.3151,  
0.3387

44.1587, 0.3161,  
0.3431

169.5966, 0.3149,  
0.3380

30.7953, 0.3165,  
0.3450

209.0991, 0.3148,  
0.3374

20.4430, 0.3171,  
0.3474

254.3035, 0.3146,  
0.3368

12.7175, 0.3178,  
0.3506

305.5941, 0.3145,  
0.3364

7.2343, 0.3188,  
0.3552

363.3555, 0.3144,

3.6091, 0.3202,

0.3360

427.9720, 0.3143,  
0.3356

0.3622

1.4574, 0.3225,  
0.3745

0.2584, 0.3662,  
0.6338

81.4565, 0.3155,  
0.3405

81.4565, 0.3155,  
0.3405

78.2261, 0.3214,  
0.3669

85.0281, 0.3096,  
0.3165

75.3158, 0.3271,  
0.3953

87.8637, 0.3135,  
0.3097

72.7180, 0.3323,  
0.4254

87.9008, 0.3136,  
0.3097

70.4205, 0.3366,  
0.4562

■ 68.4108, 0.3395,  
0.4865

■ 66.6749, 0.3407,  
0.5147

■ 65.1973, 0.3399,  
0.5392

■ 63.9609, 0.3369,  
0.5584

■ 62.9452, 0.3321,  
0.5717

# Harmonies

## Analogous

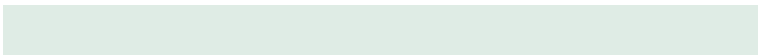
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4565, 0.3219, 0.3411



81.4565, 0.3155, 0.3405



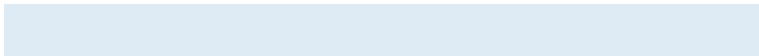
81.4565, 0.3084, 0.3367

# Triad

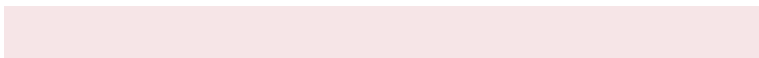
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.4565, 0.3155, 0.3405



81.4565, 0.2997, 0.3195



81.4565, 0.3230, 0.3271

# Complementary

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



81.4565, 0.3155, 0.3405



76.1659, 0.3098, 0.3175

# 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.



81.4565, 0.3170, 0.3215



81.4565, 0.3155, 0.3405



81.4565, 0.3035, 0.3171

# Square

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



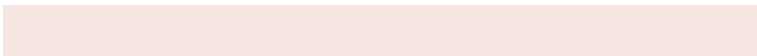
81.4565, 0.3155, 0.3405



81.4565, 0.2994, 0.3245



81.4565, 0.3098, 0.3179



81.4565, 0.3263, 0.3333



# Rectangle

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



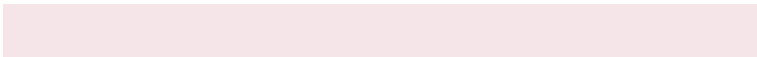
81.4565, 0.3155, 0.3405



81.4565, 0.3042, 0.3329



81.4565, 0.3098, 0.3179



81.4565, 0.3212, 0.3251

# Sweetspot

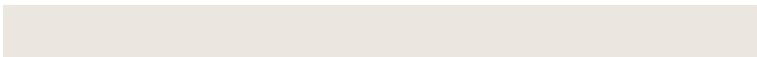
The Sweet Spot groups the original color and five complimentary colors.



81.4600, 0.3155, 0.3405



99.5721, 0.3133, 0.3314



79.5797, 0.3200, 0.3351



21.3170, 0.3133, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

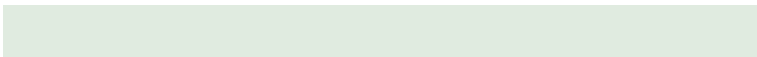
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4600, 0.3155, 0.3405



97.4940, 0.3163, 0.3440



80.6786, 0.3119, 0.3402



17.3954, 0.3167, 0.3455



34.8434, 0.3302, 0.5760



2.7924, 0.3410, 0.5674



# Inverse Universe

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



76.1659, 0.3098, 0.3175



89.3394, 0.3089, 0.3141



76.9743, 0.3135, 0.3180



15.7983, 0.3085, 0.3126



6.0172, 0.2124, 0.0944

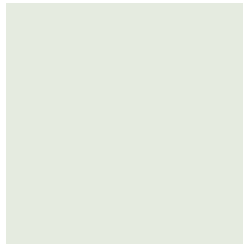


0.5295, 0.2267, 0.1022



# Previews

## White Background



This preview shows how the Yxy color 81.4565, 0.3155, 0.3405 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

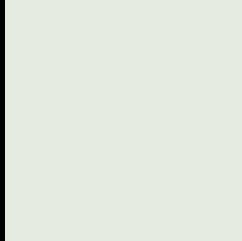
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.4565, 0.3155, 0.3405 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

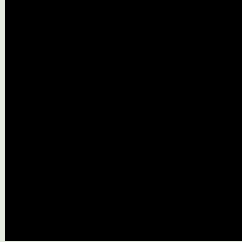
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

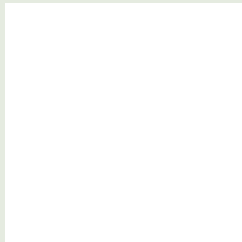
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.4565, 0.3155, 0.3405**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.4565, 0.3155, 0.3405.

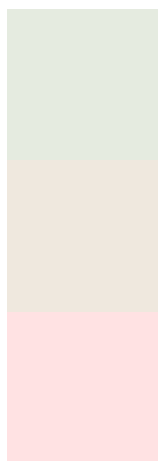


This preview shows how white text looks on a background with the Yxy color 81.4565, 0.3155, 0.3405.

# 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

81.4565, 0.3155, 0.3405

### Protanopia

81.3379, 0.3239, 0.3393

### Deuteranopia

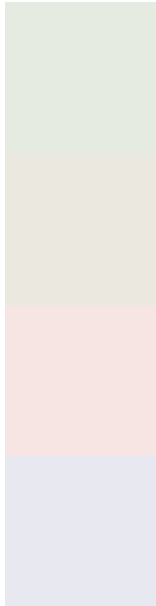
81.1988, 0.3325, 0.3281



## Tritanopia

81.3150, 0.3029, 0.3107

# Trichromacy



## Original Color

81.4565, 0.3155, 0.3405

## Protanomaly

81.2677, 0.3204, 0.3394

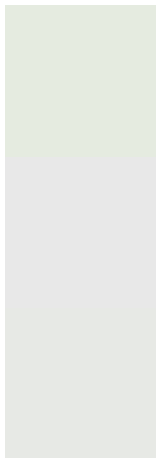
## Deuteranomaly

81.1224, 0.3265, 0.3321

## Tritanomaly

81.1603, 0.3077, 0.3208

# Monochromacy



## Original Color

81.4565, 0.3155, 0.3405

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

80.9239, 0.3139, 0.3332

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.4565, 0.3155, 0.3405 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(229, 235, 224)` looks like.

```
.text, #text, p{  
    color:rgb(229, 235, 224)  
}
```

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(229, 235, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 235, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 81.4565, 0.3155, 0.3405 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(229, 235, 224) }
```

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

```
.border{ border-color:rgb(229, 235, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 235, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 235, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 235, 224);  
box-shadow:4px 4px 4px 4px rgb(229, 235,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.4565, 0.3155, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 235, 224) }
```

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

```
.background{ background-color: rgb(229,  
235, 224) }
```

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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