

# Converting Colors

$Yxy(82.2483, 0.3124, 0.3310)$

Have a look what the booklet for  
Yxy(82.2483, 0.3124, 0.3310)  
contains.

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# Color

**Yxy(82.4557, 0.3120, 0.3311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8EBE9
RGB	232, 235, 233
RGB Percent	91%, 92%, 91%
CMY	0.0900, 0.0784, 0.0864
CMYK	0.01, 0.00, 0.01, 0.08
HSL	139°, 7%, 92%
HSV	139°, 1%, 92%
XYZ	77.6991, 82.4557, 88.8808
YIQ	233.8750, -1.1460, -1.2580

# Conversions

## Conversions Part 2

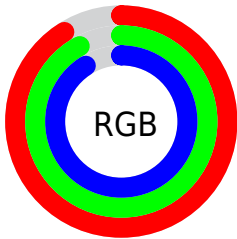
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 234, 235
Decimal	15264745
CIE Lab	92.78, -1.35, 0.63
CIE LCh	93, 1.485, 154.959
Yxy	82.4557, 0.3120, 0.3311
Android (android.graphics.Color)	4293454825 (0xFFE8EBE9)
YUV	233.8750, -0.4314, -1.6444
Hunter-Lab	90.8051, -6.1721, 5.5300

# Details

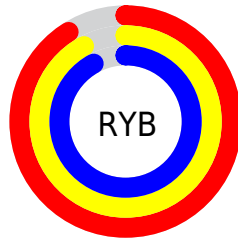
The Yxy color **82.4557, 0.3120, 0.3311** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.3413, 0.3134, 0.3269**, and the grayscale version is **82.1882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6446, 0.3117, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **77.9029, 0.3063, 0.3490**, and if you desaturate by 10%, it is **87.5240, 0.3173, 0.3153**.

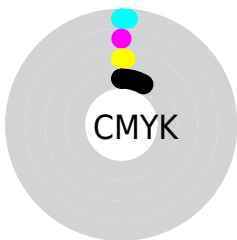
# Distribution



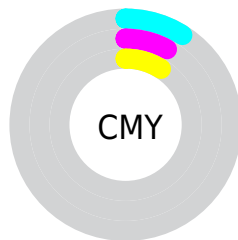
- Red (91%)
- Green (92%)
- Blue (91%)



- Red (91%)
- Yellow (92%)
- Blue (92%)



- Cyan (1%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)



- Cyan (9%)
- Magenta (8%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4557, 0.3120, 0.3311 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 82.4557, 0.3120, 0.3311 by changing the saturation by 10% instead.



■ 82.4557, 0.3120,  
0.3311

■ 82.4557, 0.3120,  
0.3311

503.1707, 0.3123,  
0.3302

■ 61.7412, 0.3119,  
0.3313

136.8129, 0.3121,  
0.3308

■ 44.8236, 0.3118,  
0.3316

171.2243, 0.3122,  
0.3306

■ 31.3185, 0.3117,  
0.3319

210.9703, 0.3122,  
0.3305

■ 20.8415, 0.3116,  
0.3323

256.4351, 0.3122,  
0.3304

■ 13.0082, 0.3114,  
0.3329

308.0031, 0.3123,  
0.3304

■ 7.4342, 0.3111,  
0.3337

366.0588, 0.3123,

■ 3.7351, 0.3107,

0.3303

0.3349

430.9866, 0.3123,  
0.3302

■ 1.5265, 0.3099,  
0.3369

■ 0.3073, 0.3024,  
0.3585

■ 82.4557, 0.3120,  
0.3311

■ 82.4557, 0.3120,  
0.3311

■ 77.9029, 0.3063,  
0.3490

■ 87.5240, 0.3173,  
0.3153

■ 73.9342, 0.3007,  
0.3692

■ 87.8962, 0.3136,  
0.3097

■ 70.5286, 0.2954,  
0.3915

■ 67.6600, 0.2907,  
0.4159

■ 65.3001, 0.2868,  
0.4418

■ 63.4178, 0.2842,  
0.4685

■ 61.9788, 0.2830,  
0.4950

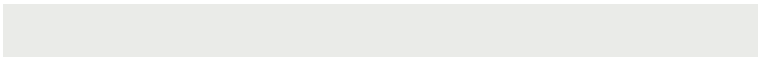
■ 60.9436, 0.2836,  
0.5201

■ 60.2655, 0.2858,  
0.5426

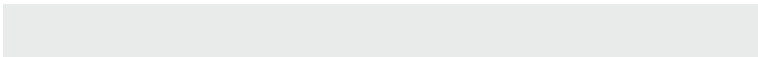
# Harmonies

## Analogous

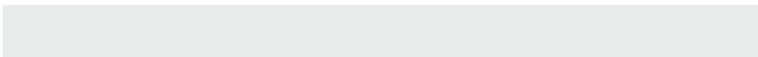
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4557, 0.3137, 0.3319



82.4557, 0.3120, 0.3311



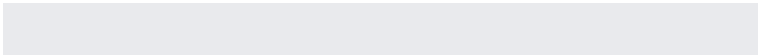
82.4557, 0.3105, 0.3298

# Triad

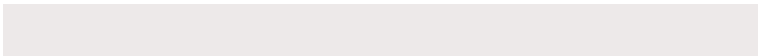
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.4557, 0.3120, 0.3311



82.4557, 0.3103, 0.3262



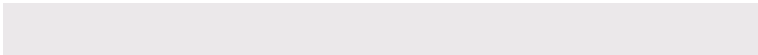
82.4557, 0.3159, 0.3298

# Complementary

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



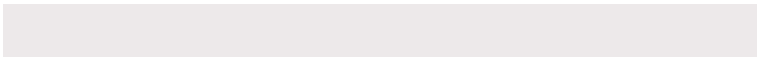
82.4557, 0.3120, 0.3311



81.3413, 0.3134, 0.3269

# Split Complementary

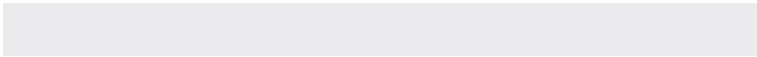
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.4557, 0.3150, 0.3283



82.4557, 0.3120, 0.3311



82.4557, 0.3117, 0.3262

# Square

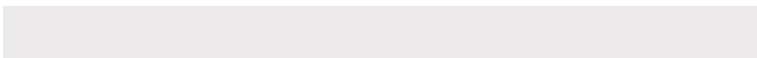
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



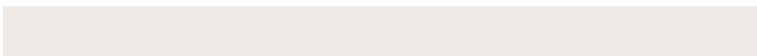
82.4557, 0.3120, 0.3311



82.4557, 0.3095, 0.3269



82.4557, 0.3134, 0.3270



82.4557, 0.3160, 0.3311

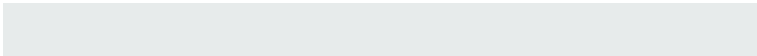


# Rectangle

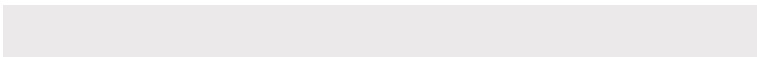
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



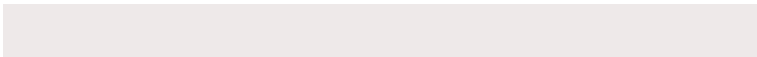
82.4557, 0.3120, 0.3311



82.4557, 0.3098, 0.3287



82.4557, 0.3134, 0.3270



82.4557, 0.3157, 0.3293

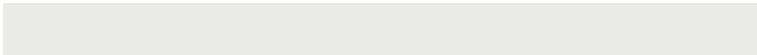
# Sweetspot

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



82.4592, 0.3120, 0.3311

100.0000, 0.3127, 0.3290



82.7557, 0.3140, 0.3321



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

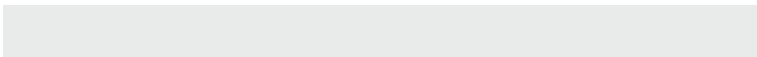
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4592, 0.3120, 0.3311



98.8215, 0.3116, 0.3324



82.5422, 0.3111, 0.3296



17.6880, 0.3116, 0.3322



33.3581, 0.2879, 0.5565



2.6362, 0.2802, 0.5287



# Inverse Universe

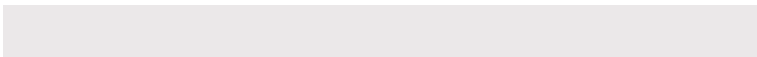
The Inverse Universe completely reimagines the original color for something new.



81.3413, 0.3134, 0.3269



96.6871, 0.3139, 0.3257



81.2585, 0.3144, 0.3284



17.3279, 0.3138, 0.3259



11.3001, 0.4189, 0.2081

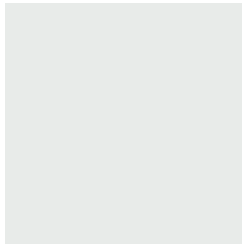


0.9045, 0.4020, 0.1988



# Previews

## White Background



This preview shows how the Yxy color 82.4557, 0.3120, 0.3311 looks on a white background.

## Color Contrast Check

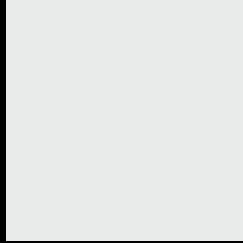
Large Text (above 18pt) WCAG AA × Fail

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 82.4557, 0.3120, 0.3311 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

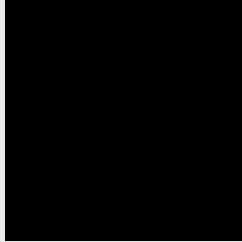
Any Text WCAG AAA ✓ Pass

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

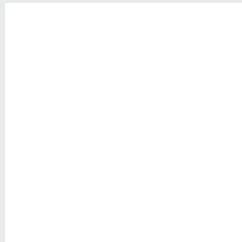


**Yxy 82.4557, 0.3120, 0.3311**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.4557, 0.3120, 0.3311.

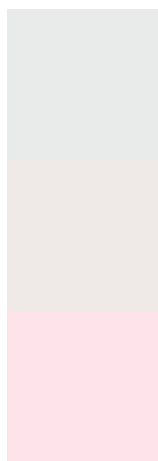


This preview shows how white text looks on a background with the Yxy color 82.4557, 0.3120, 0.3311.

# 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

82.4557, 0.3120, 0.3311

### Protanopia

82.4547, 0.3174, 0.3300

### Deuteranopia

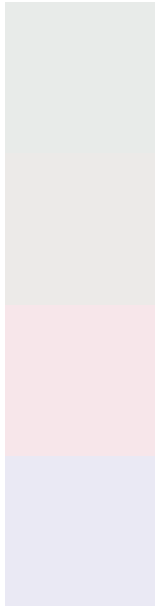
82.1963, 0.3270, 0.3211



## Tritanopia

82.3404, 0.3030, 0.3098

# Trichromacy



## Original Color

82.4557, 0.3120, 0.3311

## Protanomaly

82.5047, 0.3153, 0.3311

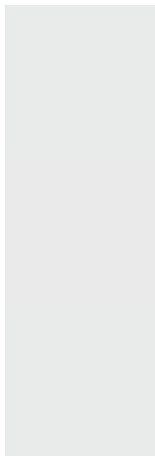
## Deuteranomaly

82.3083, 0.3218, 0.3250

## Tritanomaly

82.3019, 0.3066, 0.3178

# Monochromacy



## Original Color

82.4557, 0.3120, 0.3311

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

82.1098, 0.3120, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.4557, 0.3120, 0.3311 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, 235, 233)` looks like.

```
.text, #text, p{  
    color:rgb(232, 235, 233)  
}
```

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, 235, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 235, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 82.4557, 0.3120, 0.3311 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, 235, 233) }
```

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

```
.border{ border-color:rgb(232, 235, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 235, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 235, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 235, 233);  
box-shadow:4px 4px 4px 4px rgb(232, 235,  
233) }
```

# Background

The CSS property to change the background color of an element to Yxy 82.4557, 0.3120, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 235, 233) }
```

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

```
.background{ background-color: rgb(232,  
235, 233) }
```

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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