

# Converting Colors

Yxy(86.7652, 0.3125, 0.3464)

Have a look what the booklet for  
Yxy(86.7652, 0.3125, 0.3464)  
contains.

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# Color

**Yxy(86.7414, 0.3125, 0.3466)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E4F4E3
RGB	228, 244, 227
RGB Percent	89%, 96%, 89%
CMY	0.1060, 0.0431, 0.1097
CMYK	0.07, 0.00, 0.07, 0.04
HSL	117°, 44%, 92%
HSV	117°, 7%, 96%
XYZ	78.2074, 86.7414, 85.3149
YIQ	237.2780, -4.0790, -8.6790

# Conversions

## Conversions Part 2

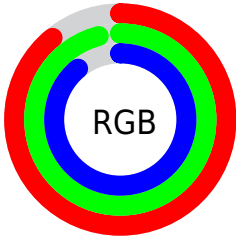
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 244, 243
Decimal	15004899
CIE <sub>Lab</sub>	94.63, -8.31, 6.36
CIE <sub>LCh</sub>	95, 10.466, 142.599
Yxy	86.7414, 0.3125, 0.3466
Android (android.graphics.Color)	4293194979 (0xFFE4F4E3)
YUV	237.2780, -5.0671, -8.1368
Hunter-Lab	93.1351, -13.0963, 10.8829

# Details

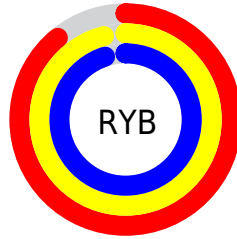
The Yxy color **86.7414, 0.3125, 0.3466** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.5541, 0.3129, 0.3119**, and the grayscale version is **84.9561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8292, 0.3125, 0.3504** is the 20% darker color. If you saturate the color by 10%, you get **81.9707, 0.3120, 0.3748**, and if you desaturate by 10%, it is **92.2129, 0.3128, 0.3218**.

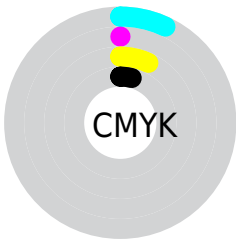
# Distribution



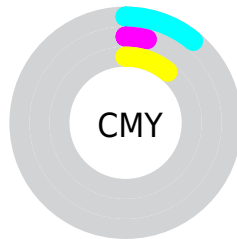
- Red (89%)
- Green (96%)
- Blue (89%)



- Red (89%)
- Yellow (96%)
- Blue (95%)



- Cyan (7%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)



- Cyan (11%)
- Magenta (4%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.7414, 0.3125, 0.3466 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 86.7414, 0.3125, 0.3466 by changing the saturation by 10% instead.




 86.7414, 0.3125,  
0.3466

 86.7414, 0.3125,  
0.3466


517.3727, 0.3126,  
0.3386

 65.2812, 0.3125,  
0.3484


142.8036, 0.3126,  
0.3439

 47.6892, 0.3124,  
0.3506


178.1745, 0.3126,  
0.3428

 33.5808, 0.3123,  
0.3533


218.9510, 0.3126,  
0.3419

 22.5717, 0.3122,  
0.3569

265.5176, 0.3126,  
0.3410

 14.2776, 0.3120,  
0.3617

318.2587, 0.3126,  
0.3403

 8.3140, 0.3117,  
0.3685

377.5587, 0.3126,

 4.2965, 0.3112,

0.3397

0.3788

443.8019, 0.3126,  
0.3391

■ 1.8408, 0.3099,  
0.3963

■ 0.5124, 0.3122,  
0.5631

■ 86.7414, 0.3125,  
0.3466

■ 86.7414, 0.3125,  
0.3466

■ 81.9707, 0.3120,  
0.3748

■ 92.2129, 0.3128,  
0.3218

■ 77.8619, 0.3114,  
0.4062

■ 93.1877, 0.3132,  
0.3185

■ 74.3892, 0.3104,  
0.4404

■ 71.5206, 0.3092,  
0.4760

■ 69.2218, 0.3078,  
0.5111

■ 67.4546, 0.3061,  
0.5431

■ 66.1764, 0.3043,  
0.5694

■ 65.3378, 0.3026,  
0.5878

■ 64.8786, 0.3011,  
0.5975

# Harmonies

## Analogous

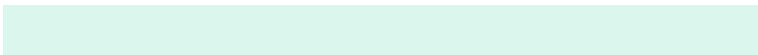
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7414, 0.3242, 0.3499



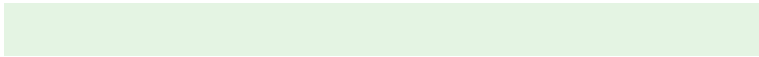
86.7414, 0.3125, 0.3466



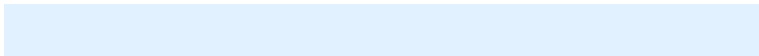
86.7414, 0.3010, 0.3383

# Triad

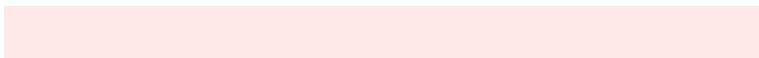
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7414, 0.3125, 0.3466



86.7414, 0.2928, 0.3107



86.7414, 0.3331, 0.3299

# Complementary

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



86.7414, 0.3125, 0.3466



80.5541, 0.3129, 0.3119

# 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.



86.7414, 0.3243, 0.3199



86.7414, 0.3125, 0.3466



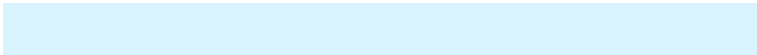
86.7414, 0.3011, 0.3089

# Square

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



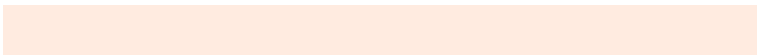
86.7414, 0.3125, 0.3466



86.7414, 0.2898, 0.3174



86.7414, 0.3126, 0.3123



86.7414, 0.3362, 0.3400



# Rectangle

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



86.7414, 0.3125, 0.3466



86.7414, 0.2950, 0.3312



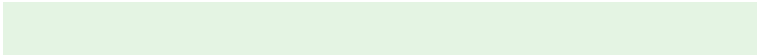
86.7414, 0.3126, 0.3123



86.7414, 0.3307, 0.3265

# Sweetspot

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



86.7451, 0.3125, 0.3466



98.7737, 0.3127, 0.3339



88.8112, 0.3231, 0.3450



21.1545, 0.3127, 0.3337



0.0000, 0.0000, 0.0000

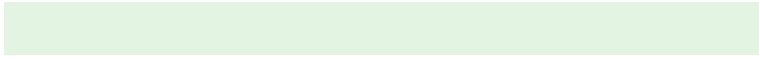


21.4041, 0.3127, 0.3290



# Same Dimension

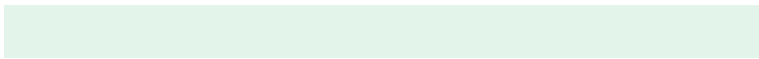
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7451, 0.3125, 0.3466



95.2822, 0.3125, 0.3494



87.0065, 0.3075, 0.3389



18.5159, 0.3124, 0.3534



35.2478, 0.3012, 0.5991



3.1131, 0.3042, 0.5967



# Inverse Universe

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



80.5541, 0.3129, 0.3119



87.4537, 0.3129, 0.3093



80.2842, 0.3183, 0.3193



16.7187, 0.3129, 0.3056



12.7599, 0.3070, 0.1465

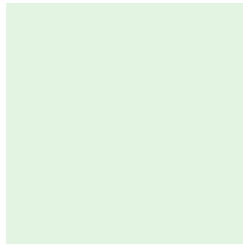


1.1355, 0.3089, 0.1475



# Previews

## White Background



This preview shows how the Yxy color 86.7414, 0.3125, 0.3466 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

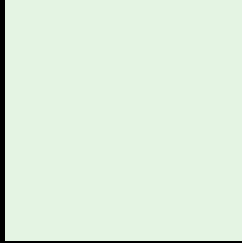
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.7414, 0.3125, 0.3466 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

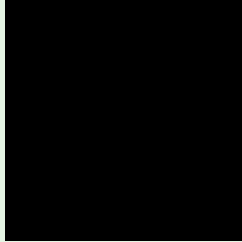
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

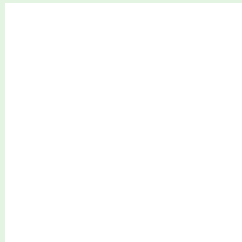
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.7414, 0.3125, 0.3466**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.7414, 0.3125, 0.3466.

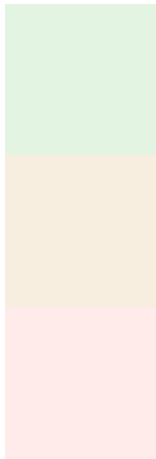


This preview shows how white text looks on a background with the Yxy color 86.7414, 0.3125, 0.3466.

# 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

86.7414, 0.3125, 0.3466

### Protanopia

86.3050, 0.3275, 0.3431

### Deuteranopia

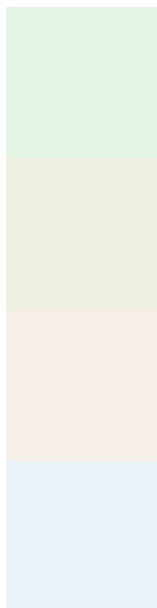
86.6172, 0.3269, 0.3300



## Tritanopia

86.4454, 0.2999, 0.3130

# Trichromacy



## Original Color

86.7414, 0.3125, 0.3466

## Protanomaly

86.2817, 0.3220, 0.3443

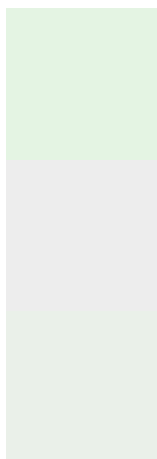
## Deuteranomaly

86.3311, 0.3217, 0.3361

## Tritanomaly

86.6590, 0.3045, 0.3249

# Monochromacy



## Original Color

86.7414, 0.3125, 0.3466

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

85.6958, 0.3130, 0.3362

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.7414, 0.3125, 0.3466 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(228, 244, 227)` looks like.

```
.text, #text, p{  
    color:rgb(228, 244, 227)  
}
```

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(228, 244, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 244, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 86.7414, 0.3125, 0.3466 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(228, 244, 227) }
```

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

```
.border{ border-color:rgb(228, 244, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 244, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 244, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 244, 227);  
box-shadow:4px 4px 4px 4px rgb(228, 244,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.7414, 0.3125, 0.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 244, 227) }
```

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

```
.background{ background-color: rgb(228,  
244, 227) }
```

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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