

# Converting Colors

Yxy(82.9670, 0.3141, 0.3475)

Have a look what the booklet for  
Yxy(82.9670, 0.3141, 0.3475)  
contains.

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# Color

**Yxy(82.9610, 0.3145, 0.3480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1EFDD
RGB	225, 239, 221
RGB Percent	88%, 94%, 87%
CMY	0.1175, 0.0628, 0.1334
CMYK	0.06, 0.00, 0.08, 0.06
HSL	107°, 36%, 90%
HSV	107°, 8%, 94%
XYZ	74.9748, 82.9610, 80.4579
YIQ	232.7620, -2.5660, -8.5660

# Conversions

## Conversions Part 2

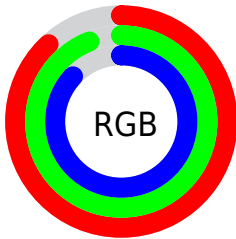
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 239, 235
Decimal	14807005
CIE Lab	93.00, -7.83, 7.11
CIE LCh	93, 10.578, 137.750
Yxy	82.9610, 0.3145, 0.3480
Android (android.graphics.Color)	4292997085 (0xFFE1EFDD)
YUV	232.7620, -5.7987, -6.8073
Hunter-Lab	91.0829, -12.4630, 11.3844

# Details

The Yxy color **82.9610, 0.3145, 0.3480** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.5920, 0.3108, 0.3104**, and the grayscale version is **81.3481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1662, 0.3150, 0.3522** is the 20% darker color. If you saturate the color by 10%, you get **78.9610, 0.3167, 0.3758**, and if you desaturate by 10%, it is **87.4727, 0.3121, 0.3232**.

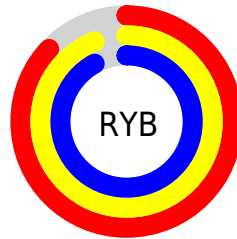
# Distribution



Red (88%)

Green (94%)

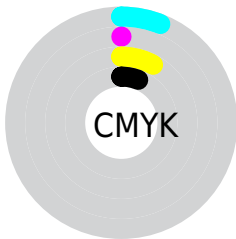
Blue (87%)



Red (87%)

Yellow (94%)

Blue (92%)

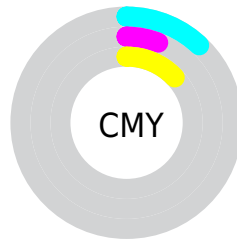


Cyan (6%)

Magenta (0%)

Yellow (8%)

Black (6%)



Cyan (12%)

Magenta (6%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9610, 0.3145, 0.3480 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 82.9610, 0.3145, 0.3480 by changing the saturation by 10% instead.



82.9610, 0.3145,  
0.3480

82.9610, 0.3145,  
0.3480

504.8565, 0.3137,  
0.3393

62.1580, 0.3147,  
0.3500

137.5208, 0.3143,  
0.3450

45.1604, 0.3148,  
0.3524

172.0464, 0.3142,  
0.3438

31.5838, 0.3151,  
0.3554

211.9150, 0.3141,  
0.3428

21.0438, 0.3153,  
0.3594

257.5110, 0.3140,  
0.3419

13.1560, 0.3157,  
0.3648

309.2187, 0.3139,  
0.3412

7.5361, 0.3161,  
0.3724

367.4226, 0.3139,

3.7995, 0.3165,

0.3405

0.3843

432.5071, 0.3138,  
0.3399

■ 1.5621, 0.3169,  
0.4049

■ 0.3318, 0.2724,  
0.7276

■ 82.9610, 0.3145,  
0.3480

■ 82.9610, 0.3145,  
0.3480

■ 78.9610, 0.3167,  
0.3758

■ 87.4727, 0.3121,  
0.3232

■ 75.4441, 0.3186,  
0.4063

■ 90.2119, 0.3134,  
0.3136

■ 72.3949, 0.3200,  
0.4390

■ 69.7933, 0.3206,  
0.4727

■ 67.6173, 0.3203,  
0.5059

■ 65.8434, 0.3189,  
0.5363

■ 64.4453, 0.3163,  
0.5619

■ 63.3935, 0.3127,  
0.5806

■ 62.6521, 0.3085,  
0.5919

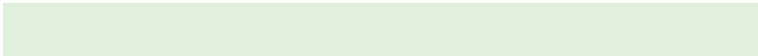
# Harmonies

## Analogous

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



82.9610, 0.3262, 0.3504



82.9610, 0.3145, 0.3480



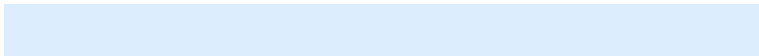
82.9610, 0.3025, 0.3402

# Triad

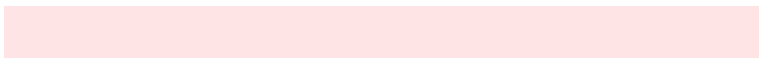
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.9610, 0.3145, 0.3480



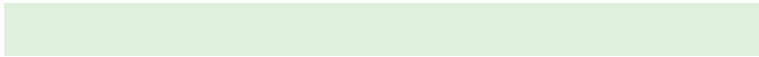
82.9610, 0.2914, 0.3110



82.9610, 0.3325, 0.3282

# Complementary

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



82.9610, 0.3145, 0.3480



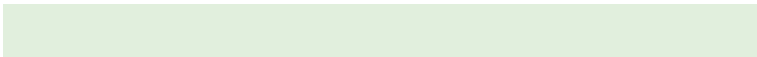
75.5920, 0.3108, 0.3104

# 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.



82.9610, 0.3228, 0.3182



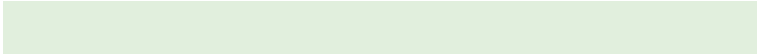
82.9610, 0.3145, 0.3480



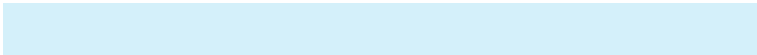
82.9610, 0.2991, 0.3083

# Square

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



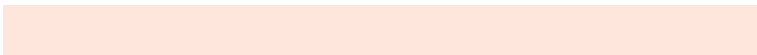
82.9610, 0.3145, 0.3480



82.9610, 0.2893, 0.3186



82.9610, 0.3106, 0.3109

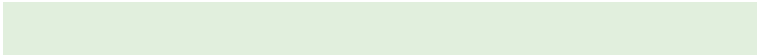


82.9610, 0.3367, 0.3387



# Rectangle

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



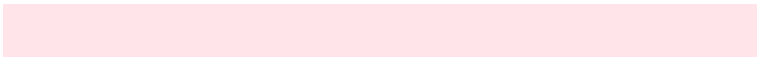
82.9610, 0.3145, 0.3480



82.9610, 0.2959, 0.3331



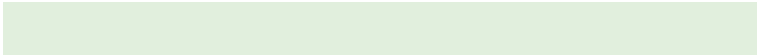
82.9610, 0.3106, 0.3109



82.9610, 0.3297, 0.3247

# Sweetspot

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



82.9646, 0.3145, 0.3480



98.9336, 0.3132, 0.3339



82.8698, 0.3243, 0.3432



21.1870, 0.3132, 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.



82.9646, 0.3145, 0.3480



95.3890, 0.3148, 0.3520



82.5815, 0.3089, 0.3430



17.8276, 0.3149, 0.3532



34.5915, 0.3084, 0.5933



2.9206, 0.3171, 0.5864



# Inverse Universe

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



75.5920, 0.3108, 0.3104



85.2566, 0.3103, 0.3066



76.0082, 0.3167, 0.3154



15.8419, 0.3102, 0.3055



9.2261, 0.2646, 0.1232

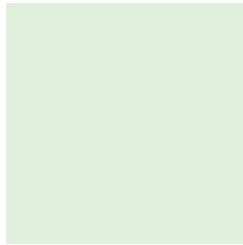


0.8109, 0.2724, 0.1274



# Previews

## White Background



This preview shows how the Yxy color 82.9610, 0.3145, 0.3480 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

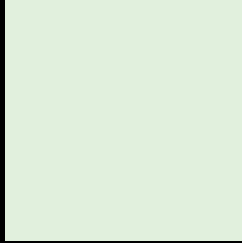
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.9610, 0.3145, 0.3480 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

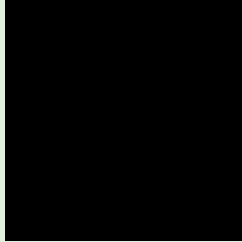
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

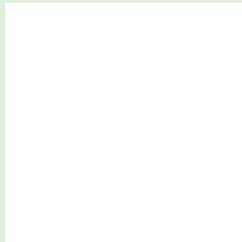
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.9610, 0.3145, 0.3480**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.9610, 0.3145, 0.3480.

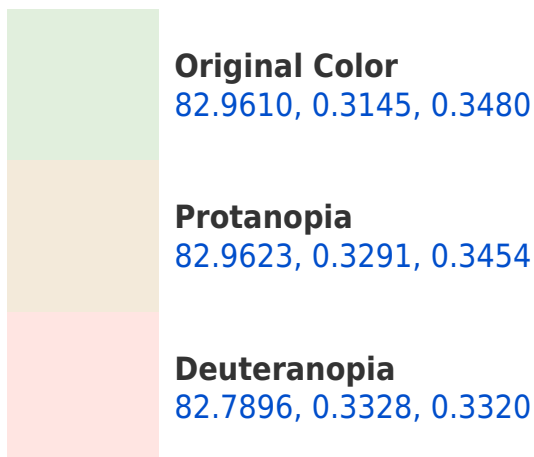


This preview shows how white text looks on a background with the Yxy color 82.9610, 0.3145, 0.3480.

# 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

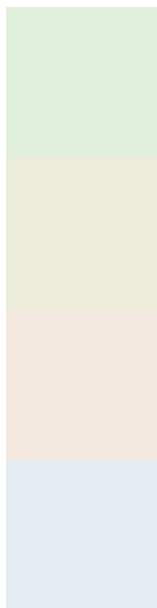




## Tritanopia

82.7605, 0.2985, 0.3097

# Trichromacy



## Original Color

82.9610, 0.3145, 0.3480

## Protanomaly

82.9382, 0.3234, 0.3466

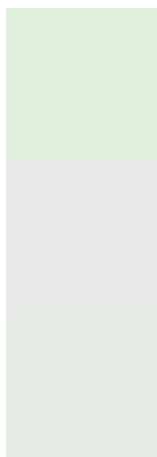
## Deuteranomaly

82.8927, 0.3260, 0.3382

## Tritanomaly

82.8358, 0.3044, 0.3238

# Monochromacy



## Original Color

82.9610, 0.3145, 0.3480

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

81.8968, 0.3131, 0.3352

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.9610, 0.3145, 0.3480 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(225, 239, 221)` looks like.

```
.text, #text, p{  
    color:rgb(225, 239, 221)  
}
```

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(225, 239, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 239, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 82.9610, 0.3145, 0.3480 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(225, 239, 221) }
```

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

```
.border{ border-color:rgb(225, 239, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 239, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 239, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 239, 221);  
box-shadow:4px 4px 4px 4px rgb(225, 239,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.9610, 0.3145, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 239, 221) }
```

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

```
.background{ background-color: rgb(225,  
239, 221) }
```

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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