

# Converting Colors

Yxy(82.5085, 0.3130, 0.3497)

Have a look what the booklet for  
Yxy(82.5085, 0.3130, 0.3497)  
contains.

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# Color

**Yxy(82.4299, 0.3131, 0.3492)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEEFDC
RGB	222, 239, 220
RGB Percent	87%, 94%, 86%
CMY	0.1294, 0.0627, 0.1373
CMYK	0.07, 0.00, 0.08, 0.06
HSL	114°, 37%, 90%
HSV	114°, 8%, 94%
XYZ	73.9084, 82.4299, 79.7153
YIQ	231.7510, -4.0330, -9.5130

# Conversions

## Conversions Part 2

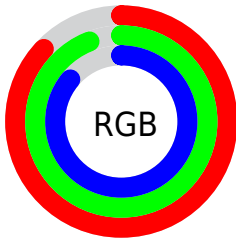
Format	Color
RYP	220, 239, 237
Decimal	14610396
CIELab	92.76, -9.03, 7.27
CIElCh	93, 11.589, 141.158
Yxy	82.4299, 0.3131, 0.3492
Android (android.graphics.Color)	4292800476 (0xFFDEEFDC)
YUV	231.7510, -5.7932, -8.5516
Hunter-Lab	90.7909, -13.5761, 11.4965

# Details

The Yxy color **82.4299, 0.3131, 0.3492** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.4145, 0.3122, 0.3094**, and the grayscale version is **80.5486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.7991, 0.3132, 0.3538** is the 20% darker color. If you saturate the color by 10%, you get **78.0936, 0.3134, 0.3775**, and if you desaturate by 10%, it is **87.3817, 0.3126, 0.3241**.

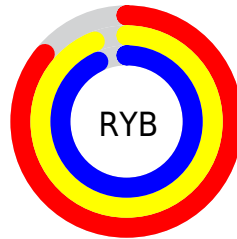
# Distribution



Red (87%)

Green (94%)

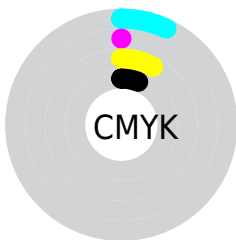
Blue (86%)



Red (86%)

Yellow (94%)

Blue (93%)

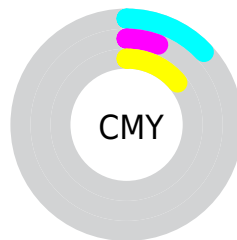


Cyan (7%)

Magenta (0%)

Yellow (8%)

Black (6%)



Cyan (13%)

Magenta (6%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4299, 0.3131, 0.3492 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 82.4299, 0.3131, 0.3492 by changing the saturation by 10% instead.



 82.4299, 0.3131,  
0.3492

 82.4299, 0.3131,  
0.3492


503.0846, 0.3130,  
0.3399

 61.7200, 0.3131,  
0.3513


136.7767, 0.3131,  
0.3460

 44.8065, 0.3131,  
0.3539

171.1824, 0.3131,  
0.3447

 31.3050, 0.3131,  
0.3572


210.9220, 0.3130,  
0.3437

 20.8312, 0.3131,  
0.3614

256.3801, 0.3130,  
0.3427

 13.0007, 0.3130,  
0.3672

307.9410, 0.3130,  
0.3419

 7.4290, 0.3128,  
0.3755

365.9891, 0.3130,

 3.7318, 0.3124,

0.3412

0.3883

430.9088, 0.3130,  
0.3405

■ 1.5247, 0.3112,  
0.4108

■ 0.3060, 0.1873,  
0.8127

■ 82.4299, 0.3131,  
0.3492

■ 82.4299, 0.3131,  
0.3492

■ 78.0936, 0.3134,  
0.3775

■ 87.3817, 0.3126,  
0.3241

■ 74.3388, 0.3135,  
0.4089

■ 90.2163, 0.3134,  
0.3136

■ 71.1438, 0.3132,  
0.4428

■ 68.4816, 0.3124,  
0.4779

■ 66.3232, 0.3112,  
0.5123

■ 64.6365, 0.3094,  
0.5436

■ 63.3858, 0.3072,  
0.5692

■ 62.5301, 0.3048,  
0.5872

■ 62.0190, 0.3024,  
0.5969

# Harmonies

## Analogous

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



82.4299, 0.3262, 0.3526



82.4299, 0.3131, 0.3492



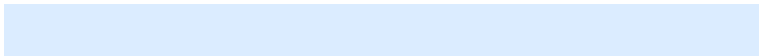
82.4299, 0.3001, 0.3401

# Triad

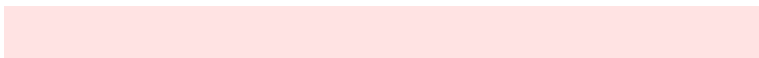
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.4299, 0.3131, 0.3492



82.4299, 0.2900, 0.3086



82.4299, 0.3353, 0.3295

# Complementary

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



82.4299, 0.3131, 0.3492



75.4145, 0.3122, 0.3094

# 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.



82.4299, 0.3252, 0.3183



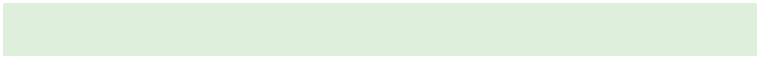
82.4299, 0.3131, 0.3492



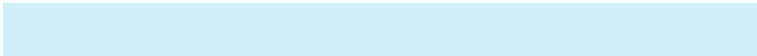
82.4299, 0.2990, 0.3063

# Square

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



82.4299, 0.3131, 0.3492



82.4299, 0.2869, 0.3164



82.4299, 0.3119, 0.3099

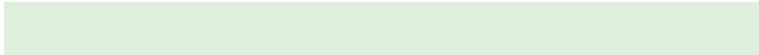


82.4299, 0.3392, 0.3408



# Rectangle

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



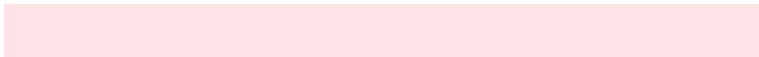
82.4299, 0.3131, 0.3492



82.4299, 0.2932, 0.3321



82.4299, 0.3119, 0.3099



82.4299, 0.3325, 0.3256

# Sweetspot

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



82.4334, 0.3131, 0.3492



98.8215, 0.3128, 0.3339



83.9634, 0.3247, 0.3463



21.1642, 0.3128, 0.3337



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

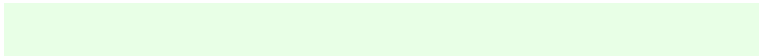


# Same Dimension

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



82.4334, 0.3131, 0.3492



94.3954, 0.3132, 0.3548



82.5114, 0.3074, 0.3414



17.7366, 0.3132, 0.3533



34.2584, 0.3026, 0.5980



2.8765, 0.3082, 0.5935



# Inverse Universe

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



75.4145, 0.3122, 0.3094



84.2861, 0.3121, 0.3042



75.3415, 0.3185, 0.3169



15.9413, 0.3121, 0.3056



11.3489, 0.2943, 0.1395

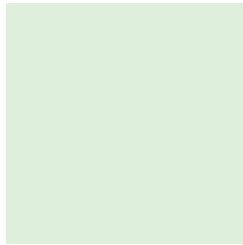


0.9684, 0.2980, 0.1416



# Previews

## White Background



This preview shows how the Yxy color 82.4299, 0.3131, 0.3492 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

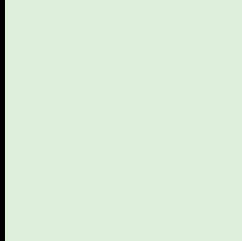
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.4299, 0.3131, 0.3492 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

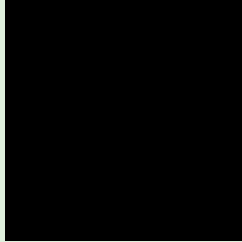
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

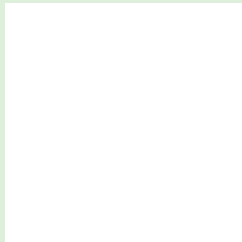
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.4299, 0.3131, 0.3492**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.4299, 0.3131, 0.3492.

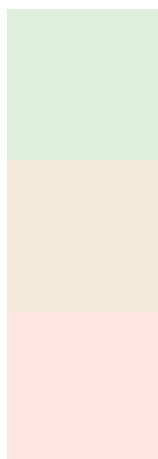


This preview shows how white text looks on a background with the Yxy color 82.4299, 0.3131, 0.3492.

# 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

82.4299, 0.3131, 0.3492

### Protanopia

82.1648, 0.3292, 0.3455

### Deuteranopia

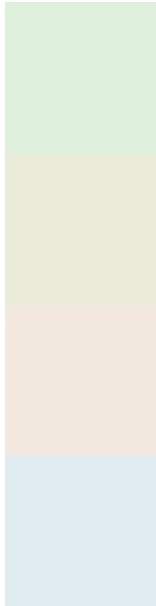
82.1830, 0.3336, 0.3321



## Tritanopia

82.2684, 0.2966, 0.3096

# Trichromacy



## Original Color

82.4299, 0.3131, 0.3492

## Protanomaly

82.1408, 0.3234, 0.3467

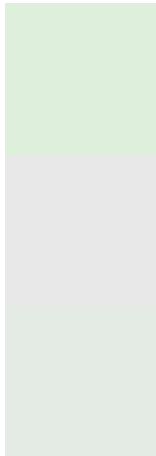
## Deuteranomaly

82.0956, 0.3260, 0.3382

## Tritanomaly

82.3493, 0.3025, 0.3238

# Monochromacy



## Original Color

82.4299, 0.3131, 0.3492

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

81.5121, 0.3124, 0.3363

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  82.4299, 0.3131, 0.3492 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(222, 239, 220)` looks like.

```
.text, #text, p{  
    color:rgb(222, 239, 220)  
}
```

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(222, 239, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 239, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 82.4299, 0.3131, 0.3492 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(222, 239, 220) }
```

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

```
.border{ border-color:rgb(222, 239, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 239, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 239, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 239, 220);  
box-shadow:4px 4px 4px 4px rgb(222, 239,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.4299, 0.3131, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 239, 220) }
```

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

```
.background{ background-color: rgb(222,  
239, 220) }
```

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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