

# Converting Colors

$Yxy(77.2878, 0.3145, 0.3527)$

Have a look what the booklet for  
Yxy(77.2878, 0.3145, 0.3527)  
contains.

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# Color

**Yxy(77.4280, 0.3143, 0.3531)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7E9D3
RGB	215, 233, 211
RGB Percent	84%, 91%, 83%
CMY	0.1569, 0.0862, 0.1726
CMYK	0.08, 0.00, 0.09, 0.09
HSL	109°, 33%, 87%
HSV	109°, 9%, 91%
XYZ	68.9199, 77.4280, 72.9327
YIQ	225.1100, -3.6660, -10.6580

# Conversions

## Conversions Part 2

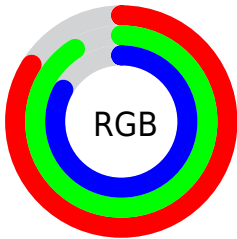
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	211, 233, 229
Decimal	14150099
CIE Lab	90.52, -9.93, 8.66
CIE LCh	91, 13.177, 138.911
Yxy	77.4280, 0.3143, 0.3531
Android (android.graphics.Color)	4292340179 (0xFFD7E9D3)
YUV	225.1100, -6.9562, -8.8665
Hunter-Lab	87.9932, -14.1795, 12.4530

# Details

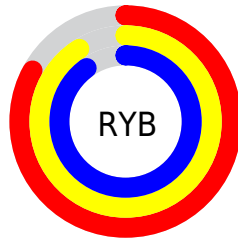
The Yxy color **77.4280, 0.3143, 0.3531** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.1241, 0.3109, 0.3056**, and the grayscale version is **75.4327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.3182, 0.3148, 0.3591** is the 20% darker color. If you saturate the color by 10%, you get **73.6274, 0.3158, 0.3816**, and if you desaturate by 10%, it is **81.7406, 0.3126, 0.3277**.

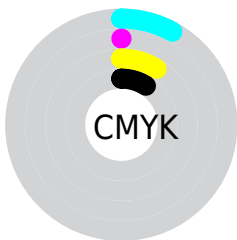
# Distribution



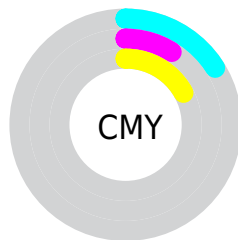
- Red (84%)
- Green (91%)
- Blue (83%)



- Red (83%)
- Yellow (91%)
- Blue (90%)



- Cyan (8%)
- Magenta (0%)
- Yellow (9%)
- Black (9%)



- Cyan (16%)
- Magenta (9%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4280, 0.3143, 0.3531 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 77.4280, 0.3143, 0.3531 by changing the saturation by 10% instead.



■ 77.4280, 0.3143,  
0.3531

■ 77.4280, 0.3143,  
0.3531

486.2221, 0.3137,  
0.3419

■ 57.6042, 0.3144,  
0.3557

129.7435, 0.3141,  
0.3492

■ 41.4905, 0.3146,  
0.3589

163.0039, 0.3140,  
0.3477

■ 28.7026, 0.3147,  
0.3629

201.5121, 0.3139,  
0.3464

■ 18.8559, 0.3149,  
0.3683

245.6524, 0.3139,  
0.3453

■ 11.5662, 0.3151,  
0.3756

295.8091, 0.3138,  
0.3443

■ 6.4491, 0.3152,  
0.3863

352.3667, 0.3138,

■ 3.1200, 0.3152,

0.3434

0.4032

415.7095, 0.3137,  
0.3426

■ 1.1947, 0.3176,  
0.4390

■ 0.0574, 0.0000,  
1.0000

■ 77.4280, 0.3143,  
0.3531

■ 77.4280, 0.3143,  
0.3531

■ 73.6274, 0.3158,  
0.3816

■ 81.7406, 0.3126,  
0.3277

■ 70.3102, 0.3169,  
0.4128

■ 86.4050, 0.3125,  
0.3077

■ 67.4596, 0.3176,  
0.4461

■ 86.7614, 0.3137,  
0.3078

■ 65.0545, 0.3176,  
0.4804

■ 63.0719, 0.3167,  
0.5136

■ 61.4865, 0.3149,  
0.5437

■ 60.2706, 0.3123,  
0.5683

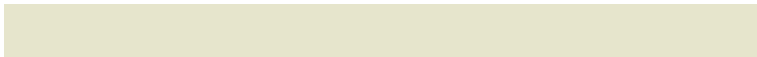
■ 59.3922, 0.3089,  
0.5855

■ 58.8088, 0.3054,  
0.5954

# Harmonies

## Analogous

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



77.4280, 0.3294, 0.3564



77.4280, 0.3143, 0.3531



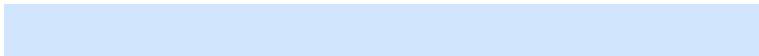
77.4280, 0.2991, 0.3428

# Triad

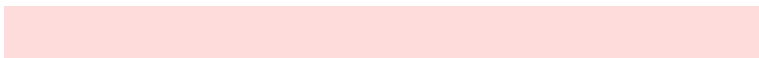
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4280, 0.3143, 0.3531



77.4280, 0.2859, 0.3058



77.4280, 0.3383, 0.3284

# Complementary

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



77.4280, 0.3143, 0.3531



69.1241, 0.3109, 0.3056

# 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.



77.4280, 0.3261, 0.3157



77.4280, 0.3143, 0.3531



77.4280, 0.2958, 0.3027

# Square

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



77.4280, 0.3143, 0.3531



77.4280, 0.2829, 0.3152



77.4280, 0.3105, 0.3064



77.4280, 0.3435, 0.3417



# Rectangle

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



77.4280, 0.3143, 0.3531



77.4280, 0.2909, 0.3336



77.4280, 0.3105, 0.3064



77.4280, 0.3349, 0.3240

# Sweetspot

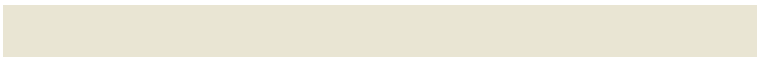
The Sweet Spot groups the original color and five complimentary colors.



77.4313, 0.3143, 0.3531



98.3497, 0.3132, 0.3364



78.0493, 0.3272, 0.3481



20.9586, 0.3134, 0.3384



0.0000, 0.0000, 0.0000

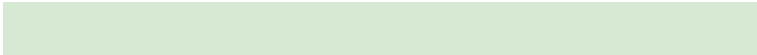


21.4041, 0.3127, 0.3290

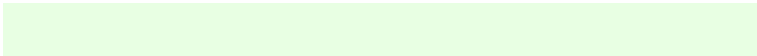


# Same Dimension

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



77.4313, 0.3143, 0.3531



94.2293, 0.3146, 0.3575



77.1887, 0.3073, 0.3455



16.9941, 0.3143, 0.3532



33.3912, 0.3059, 0.5953



2.6596, 0.3144, 0.5886



# Inverse Universe

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



69.1241, 0.3109, 0.3056



82.4343, 0.3105, 0.3015



69.4010, 0.3186, 0.3131



15.1670, 0.3109, 0.3056



9.6398, 0.2753, 0.1290

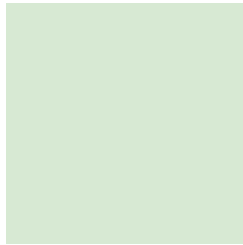


0.7930, 0.2819, 0.1327



# Previews

## White Background



This preview shows how the Yxy color 77.4280, 0.3143, 0.3531 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

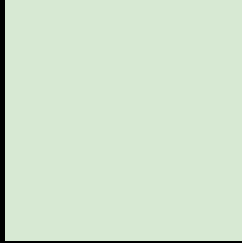
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.4280, 0.3143, 0.3531 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

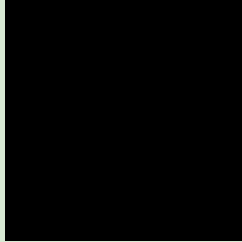
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

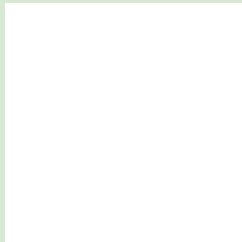
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.4280, 0.3143, 0.3531**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.4280, 0.3143, 0.3531.

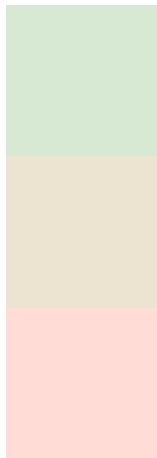


This preview shows how white text looks on a background with the Yxy color 77.4280, 0.3143, 0.3531.

# 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

77.4280, 0.3143, 0.3531

### Protanopia

77.3251, 0.3316, 0.3491

### Deuteranopia

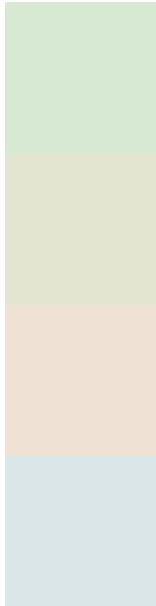
77.3014, 0.3424, 0.3351



## Tritanopia

77.5128, 0.2968, 0.3101

# Trichromacy



**Original Color**

77.4280, 0.3143, 0.3531

**Protanomaly**

77.1361, 0.3250, 0.3505

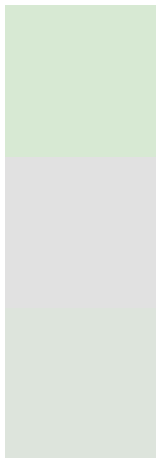
**Deuteranomaly**

77.1798, 0.3314, 0.3416

**Tritanomaly**

77.5369, 0.3034, 0.3258

# Monochromacy



**Original Color**

77.4280, 0.3143, 0.3531

**Achromatopsia**

75.2942, 0.3127, 0.3290

**Achromatomaly**

76.0263, 0.3130, 0.3376

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.4280, 0.3143, 0.3531 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(215, 233, 211)` looks like.

```
.text, #text, p{  
    color:rgb(215, 233, 211)  
}
```

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(215, 233, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 233, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 77.4280, 0.3143, 0.3531 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(215, 233, 211) }
```

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

```
.border{ border-color:rgb(215, 233, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 233, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 233, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 233, 211);  
box-shadow:4px 4px 4px 4px rgb(215, 233,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.4280, 0.3143, 0.3531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 233, 211) }
```

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

```
.background{ background-color: rgb(215,  
233, 211) }
```

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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