

# Converting Colors

$Yxy(79.7650, 0.3152, 0.3408)$

Have a look what the booklet for  
Yxy(79.7650, 0.3152, 0.3408)  
contains.

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# Color

**Yxy(79.7205, 0.3149, 0.3407)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E9DE
RGB	226, 233, 222
RGB Percent	89%, 91%, 87%
CMY	0.1137, 0.0862, 0.1295
CMYK	0.03, 0.00, 0.05, 0.09
HSL	98°, 20%, 89%
HSV	98°, 5%, 91%
XYZ	73.6835, 79.7205, 80.5863
YIQ	229.6530, -0.6410, -4.9050

# Conversions

## Conversions Part 2

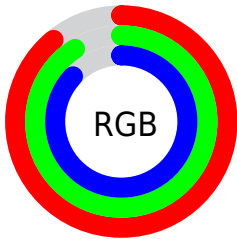
Format	Color
R <sub>Y</sub> B	222, 233, 229
Decimal	14871006
CIE Lab	91.56, -4.30, 4.54
CIE LCh	92, 6.250, 133.460
Yxy	79.7205, 0.3149, 0.3407
Android (android.graphics.Color)	4293061086 (0xFFE2E9DE)
YUV	229.6530, -3.7729, -3.2037
Hunter-Lab	89.2863, -8.9440, 8.9877

# Details

The Yxy color **79.7205, 0.3149, 0.3407** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.7623, 0.3104, 0.3174**, and the grayscale version is **78.8901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.8922, 0.3156, 0.3428** is the 20% darker color. If you saturate the color by 10%, you get **76.2710, 0.3194, 0.3673**, and if you desaturate by 10%, it is **83.5558, 0.3103, 0.3167**.

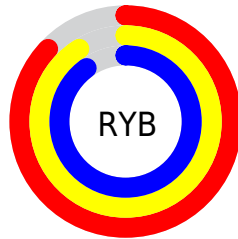
# Distribution



Red (89%)

Green (91%)

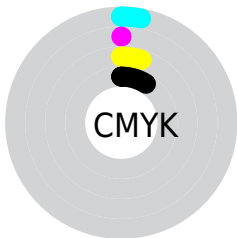
Blue (87%)



Red (87%)

Yellow (91%)

Blue (90%)

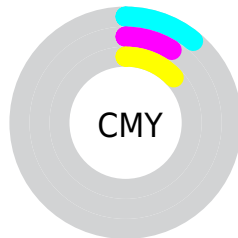


Cyan (3%)

Magenta (0%)

Yellow (5%)

Black (9%)



Cyan (11%)

Magenta (9%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.7205, 0.3149, 0.3407 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 79.7205, 0.3149, 0.3407 by changing the saturation by 10% instead.



■ 79.7205, 0.3149,  
0.3407

■ 79.7205, 0.3149,  
0.3407

493.9904, 0.3139,  
0.3353

■ 59.4884, 0.3151,  
0.3419

132.9727, 0.3146,  
0.3388

■ 43.0064, 0.3154,  
0.3434

166.7616, 0.3144,  
0.3381

■ 29.8901, 0.3157,  
0.3453

205.8381, 0.3143,  
0.3375

■ 19.7552, 0.3161,  
0.3478

250.5868, 0.3142,  
0.3370

■ 12.2172, 0.3167,  
0.3511

301.3920, 0.3141,  
0.3365

■ 6.8918, 0.3174,  
0.3559

358.6380, 0.3141,

■ 3.3945, 0.3185,

0.3361

422.7094, 0.3140,  
0.3357

0.3633

1.3410, 0.3203,  
0.3764

0.1726, 0.2551,  
0.7449

79.7205, 0.3149,  
0.3407

79.7205, 0.3149,  
0.3407

76.2710, 0.3194,  
0.3673

83.5558, 0.3103,  
0.3167

73.1847, 0.3237,  
0.3962

86.7631, 0.3137,  
0.3078

70.4522, 0.3275,  
0.4271

68.0598, 0.3304,  
0.4590

■ 65.9927, 0.3320,  
0.4905

■ 64.2351, 0.3322,  
0.5201

■ 62.7694, 0.3306,  
0.5457

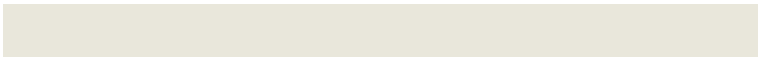
■ 61.5759, 0.3271,  
0.5659

■ 60.6317, 0.3222,  
0.5795

# Harmonies

## Analogous

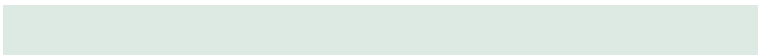
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.7205, 0.3217, 0.3417



79.7205, 0.3149, 0.3407



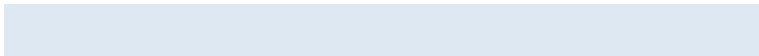
79.7205, 0.3076, 0.3365

# Triad

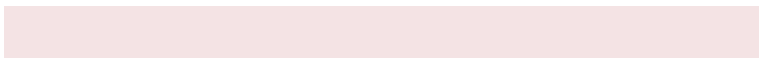
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.7205, 0.3149, 0.3407



79.7205, 0.2995, 0.3187



79.7205, 0.3239, 0.3277

# Complementary

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



79.7205, 0.3149, 0.3407



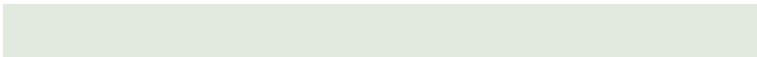
74.7623, 0.3104, 0.3174

# 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.



79.7205, 0.3178, 0.3217



79.7205, 0.3149, 0.3407



79.7205, 0.3037, 0.3166

# Square

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



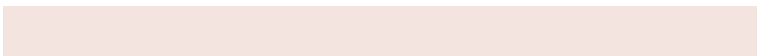
79.7205, 0.3149, 0.3407



79.7205, 0.2987, 0.3237



79.7205, 0.3104, 0.3177



79.7205, 0.3269, 0.3341



# Rectangle

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



79.7205, 0.3149, 0.3407



79.7205, 0.3034, 0.3324



79.7205, 0.3104, 0.3177



79.7205, 0.3221, 0.3256

# Sweetspot

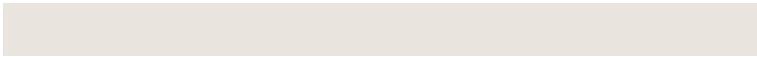
The Sweet Spot groups the original color and five complimentary colors.



79.7239, 0.3149, 0.3407



99.5311, 0.3132, 0.3314



78.6139, 0.3200, 0.3364



21.3087, 0.3132, 0.3313



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.



79.7239, 0.3149, 0.3407



97.2579, 0.3155, 0.3440



79.1588, 0.3112, 0.3392



17.3492, 0.3158, 0.3455



34.2309, 0.3204, 0.5838



2.7408, 0.3312, 0.5752



# Inverse Universe

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



74.7623, 0.3104, 0.3174



89.5791, 0.3098, 0.3141



75.3496, 0.3142, 0.3190



15.8453, 0.3095, 0.3126



6.9776, 0.2311, 0.1047

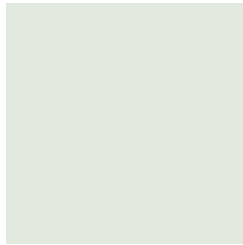


0.6020, 0.2435, 0.1115



# Previews

## White Background



This preview shows how the Yxy color 79.7205, 0.3149, 0.3407 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

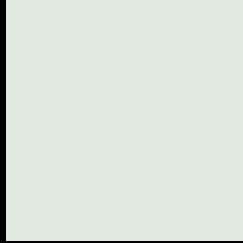
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.7205, 0.3149, 0.3407 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

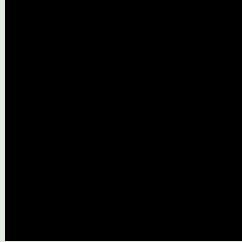
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

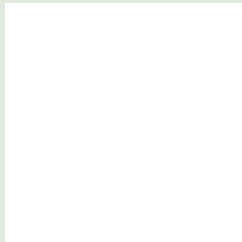
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.7205, 0.3149, 0.3407**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.7205, 0.3149, 0.3407.

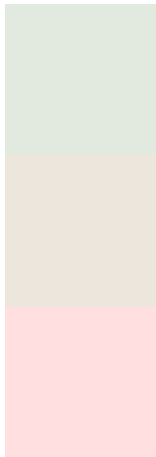


This preview shows how white text looks on a background with the Yxy color 79.7205, 0.3149, 0.3407.

# 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

79.7205, 0.3149, 0.3407

### Protanopia

79.7655, 0.3240, 0.3394

### Deuteranopia

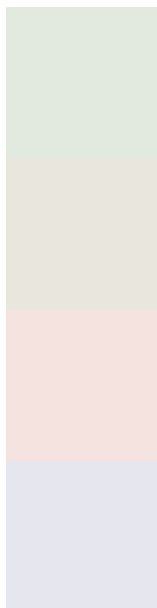
79.4172, 0.3349, 0.3281



## **Tritanopia**

79.5770, 0.3022, 0.3105

# Trichromacy



## Original Color

79.7205, 0.3149, 0.3407

## Protanomaly

79.6959, 0.3205, 0.3395

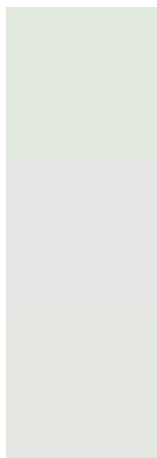
## Deuteranomaly

79.4990, 0.3273, 0.3331

## Tritanomaly

79.4247, 0.3070, 0.3207

# Monochromacy



## Original Color

79.7205, 0.3149, 0.3407

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

79.3559, 0.3139, 0.3332

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.7205, 0.3149, 0.3407 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(226, 233, 222)` looks like.

```
.text, #text, p{  
    color:rgb(226, 233, 222)  
}
```

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(226, 233, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 233, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 79.7205, 0.3149, 0.3407 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(226, 233, 222) }
```

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

```
.border{ border-color:rgb(226, 233, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 233, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 233, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 233, 222);  
box-shadow:4px 4px 4px 4px rgb(226, 233,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.7205, 0.3149, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 233, 222) }
```

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

```
.background{ background-color: rgb(226,  
233, 222) }
```

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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