

# Converting Colors

$Yxy(79.9771, 0.3164, 0.3595)$

Have a look what the booklet for  
Yxy(79.9771, 0.3164, 0.3595)  
contains.

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# Color

**Yxy(79.9235, 0.3166, 0.3594)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9EDD1
RGB	217, 237, 209
RGB Percent	85%, 93%, 82%
CMY	0.1491, 0.0706, 0.1803
CMYK	0.08, 0.00, 0.12, 0.07
HSL	103°, 44%, 87%
HSV	103°, 12%, 93%
XYZ	70.4056, 79.9235, 72.0512
YIQ	227.8280, -2.9320, -12.9480

# Conversions

## Conversions Part 2

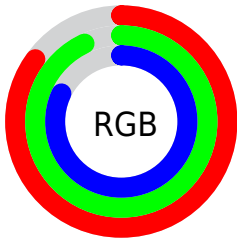
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 237, 229
Decimal	14282193
CIE Lab	91.65, -11.61, 11.32
CIE LCh	92, 16.213, 135.716
Yxy	79.9235, 0.3166, 0.3594
Android (android.graphics.Color)	4292472273 (0xFFD9EDD1)
YUV	227.8280, -9.2822, -9.4962
Hunter-Lab	89.3999, -15.8748, 14.7956

# Details

The Yxy color **79.9235, 0.3166, 0.3594** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.3935, 0.3083, 0.2994**, and the grayscale version is **77.5223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.0957, 0.3170, 0.3658** is the 20% darker color. If you saturate the color by 10%, you get **76.3720, 0.3197, 0.3881**, and if you desaturate by 10%, it is **83.9237, 0.3133, 0.3334**.

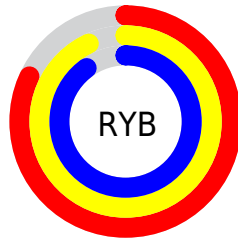
# Distribution



Red (85%)

Green (93%)

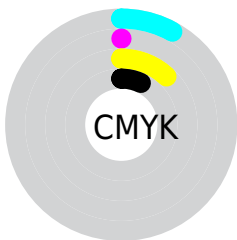
Blue (82%)



Red (82%)

Yellow (93%)

Blue (90%)

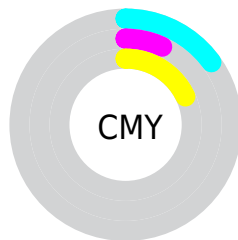


Cyan (8%)

Magenta (0%)

Yellow (12%)

Black (7%)



Cyan (15%)

Magenta (7%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.9235, 0.3166, 0.3594 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 79.9235, 0.3166, 0.3594 by changing the saturation by 10% instead.




 79.9235, 0.3166,  
0.3594

 79.9235, 0.3166,  
0.3594

494.6750, 0.3150,  
0.3453

 59.6554, 0.3169,  
0.3626


133.2582, 0.3161,  
0.3545

 43.1409, 0.3173,  
0.3666


167.0935, 0.3158,  
0.3526

 29.9957, 0.3178,  
0.3717


206.2201, 0.3157,  
0.3510

 19.8353, 0.3184,  
0.3784

251.0223, 0.3155,  
0.3495

 12.2754, 0.3190,  
0.3875

301.8845, 0.3153,  
0.3483

 6.9315, 0.3198,  
0.4006

359.1911, 0.3152,

 3.4193, 0.3205,

0.3472

0.4213

423.3264, 0.3151,  
0.3462

■ 1.3544, 0.3249,  
0.4648

■ 0.1827, 0.0000,  
1.0000

■ 79.9235, 0.3166,  
0.3594

■ 79.9235, 0.3166,  
0.3594

■ 76.3720, 0.3197,  
0.3881

■ 83.9237, 0.3133,  
0.3334

■ 73.2431, 0.3223,  
0.4192

■ 88.2850, 0.3108,  
0.3115

■ 70.5237, 0.3242,  
0.4518

■ 89.0536, 0.3135,  
0.3117

■ 68.1957, 0.3252,  
0.4847

■ 66.2401, 0.3250,  
0.5162

■ 64.6359, 0.3233,  
0.5442

■ 63.3595, 0.3201,  
0.5668

■ 62.3842, 0.3158,  
0.5825

■ 61.7809, 0.3119,  
0.5906

# Harmonies

## Analogous

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



79.9235, 0.3346, 0.3623



79.9235, 0.3166, 0.3594



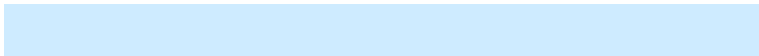
79.9235, 0.2979, 0.3476

# Triad

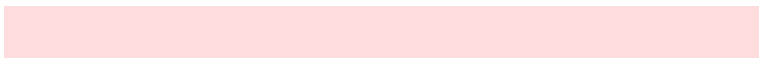
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.9235, 0.3166, 0.3594



79.9235, 0.2793, 0.3016



79.9235, 0.3427, 0.3265

# Complementary

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



79.9235, 0.3166, 0.3594



68.3935, 0.3083, 0.2994

# 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.



79.9235, 0.3271, 0.3114



79.9235, 0.3166, 0.3594



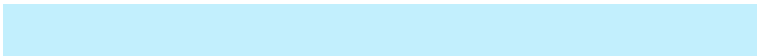
79.9235, 0.2906, 0.2972

# Square

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



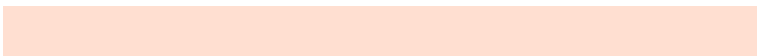
79.9235, 0.3166, 0.3594



79.9235, 0.2768, 0.3136



79.9235, 0.3079, 0.3008



79.9235, 0.3501, 0.3426



# Rectangle

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



79.9235, 0.3166, 0.3594



79.9235, 0.2876, 0.3364



79.9235, 0.3079, 0.3008



79.9235, 0.3382, 0.3212

# Sweetspot

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



79.9269, 0.3166, 0.3594



98.0021, 0.3141, 0.3389



78.4354, 0.3314, 0.3496



20.8981, 0.3143, 0.3408



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

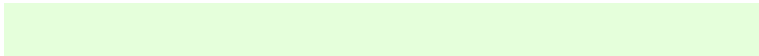


# Same Dimension

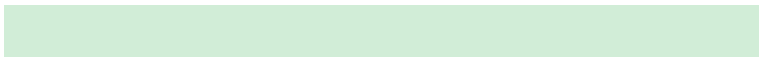
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9269, 0.3166, 0.3594



93.3827, 0.3173, 0.3656



79.0190, 0.3079, 0.3536



17.0695, 0.3158, 0.3531



33.7845, 0.3129, 0.5898



2.7001, 0.3230, 0.5818



# Inverse Universe

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



68.3935, 0.3083, 0.2994



77.4250, 0.3073, 0.2935



69.4110, 0.3180, 0.3056



15.0861, 0.3092, 0.3055



8.0500, 0.2501, 0.1151

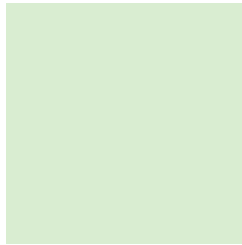


0.6804, 0.2602, 0.1207



# Previews

## White Background



This preview shows how the Yxy color 79.9235, 0.3166, 0.3594 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 79.9235, 0.3166, 0.3594 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

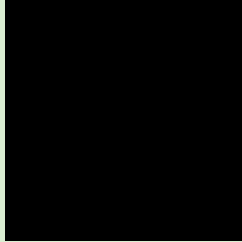
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

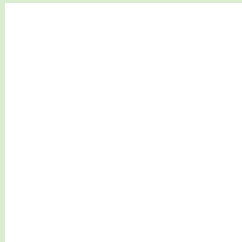
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.9235, 0.3166, 0.3594**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.9235, 0.3166, 0.3594.

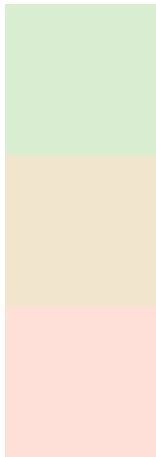


This preview shows how white text looks on a background with the Yxy color 79.9235, 0.3166, 0.3594.

# 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**

79.9235, 0.3166, 0.3594

**Protanopia**

79.7022, 0.3368, 0.3551

**Deuteranopia**

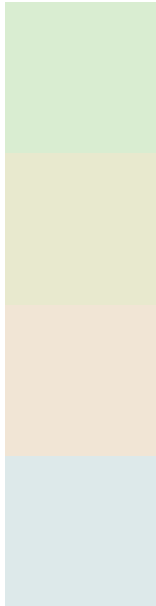
79.5292, 0.3404, 0.3371



## Tritanopia

79.6794, 0.2964, 0.3103

# Trichromacy



## Original Color

79.9235, 0.3166, 0.3594

## Protanomaly

79.8899, 0.3293, 0.3576

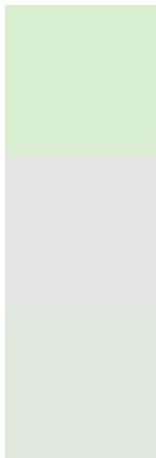
## Deuteranomaly

79.5435, 0.3316, 0.3456

## Tritanomaly

79.5905, 0.3041, 0.3279

# Monochromacy



## Original Color

79.9235, 0.3166, 0.3594

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

78.2196, 0.3143, 0.3397

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.9235, 0.3166, 0.3594 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(217, 237, 209)` looks like.

```
.text, #text, p{  
    color:rgb(217, 237, 209)  
}
```

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(217, 237, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 237, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 79.9235, 0.3166, 0.3594 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(217, 237, 209) }
```

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

```
.border{ border-color:rgb(217, 237, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 237, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 237, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 237, 209);  
box-shadow:4px 4px 4px 4px rgb(217, 237,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.9235, 0.3166, 0.3594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 237, 209) }
```

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

```
.background{ background-color: rgb(217,  
237, 209) }
```

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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