

# Converting Colors

$Y_{xy}(74.8536, 0.3166, 0.3354)$

Have a look what the booklet for  
Yxy(74.8536, 0.3166, 0.3354)  
contains.

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# Color

**Yxy(74.9725, 0.3166, 0.3355)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1E1DB
RGB	225, 225, 219
RGB Percent	88%, 88%, 86%
CMY	0.1178, 0.1176, 0.1413
CMYK	0.00, 0.00, 0.03, 0.12
HSL	61°, 9%, 87%
HSV	61°, 3%, 88%
XYZ	70.7490, 74.9725, 77.7435
YIQ	224.3160, 1.9260, -1.8660

# Conversions

## Conversions Part 2

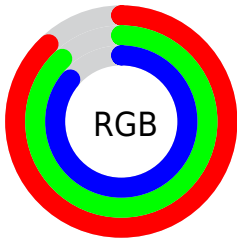
Format	Color
R <sub>Y</sub> B	219, 225, 219
Decimal	14803419
CIE Lab	89.38, -1.09, 2.93
CIE LCh	89, 3.127, 110.331
Yxy	74.9725, 0.3166, 0.3355
Android (android.graphics.Color)	4292993499 (0xFFE1E1DB)
YUV	224.3160, -2.6208, 0.5999
Hunter-Lab	86.5867, -5.6763, 7.3760

# Details

The Yxy color **74.9725, 0.3166, 0.3355** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.1561, 0.3088, 0.3224**, and the grayscale version is **74.7936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.9758, 0.3178, 0.3374** is the 20% darker color. If you saturate the color by 10%, you get **73.8282, 0.3314, 0.3603**, and if you desaturate by 10%, it is **76.2835, 0.3024, 0.3117**.

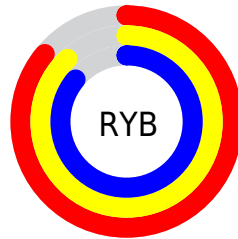
# Distribution



Red (88%)

Green (88%)

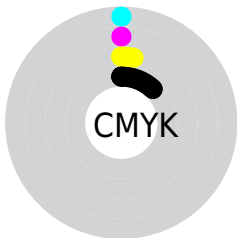
Blue (86%)



Red (86%)

Yellow (88%)

Blue (86%)

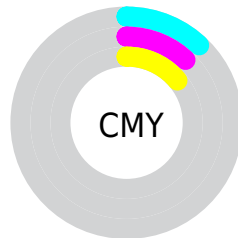


Cyan (0%)

Magenta (0%)

Yellow (3%)

Black (12%)



Cyan (12%)

Magenta (12%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9725, 0.3166, 0.3355 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 74.9725, 0.3166, 0.3355 by changing the saturation by 10% instead.



■ 74.9725, 0.3166,  
0.3355

■ 74.9725, 0.3166,  
0.3355

477.8230, 0.3148,  
0.3325

■ 55.5904, 0.3170,  
0.3362

126.2734, 0.3160,  
0.3345

■ 39.8746, 0.3175,  
0.3370

158.9610, 0.3157,  
0.3341

■ 27.4408, 0.3181,  
0.3381

196.8525, 0.3155,  
0.3337

■ 17.9045, 0.3190,  
0.3395

240.3324, 0.3154,  
0.3334

■ 10.8815, 0.3201,  
0.3414

289.7850, 0.3152,  
0.3331

■ 5.9872, 0.3217,  
0.3442

345.5947, 0.3151,

■ 2.8373, 0.3242,

0.3329

408.1459, 0.3149,  
0.3327

0.3485

1.0474, 0.3287,  
0.3563

0.0000, 0.0000,  
0.0000

74.9725, 0.3166,  
0.3355

74.9725, 0.3166,  
0.3355

73.8282, 0.3314,  
0.3603

76.2835, 0.3024,  
0.3117

72.8346, 0.3464,  
0.3855

77.1655, 0.2943,  
0.2981

71.9880, 0.3612,  
0.4105

77.2072, 0.2945,  
0.2981

71.2812, 0.3753,  
0.4342

77.2489, 0.2947,  
0.2982

70.7062, 0.3880,  
0.4558

77.2906, 0.2948,  
0.2982

70.2542, 0.3988,  
0.4742

77.3325, 0.2950,  
0.2982

69.9155, 0.4072,  
0.4886

77.3743, 0.2952,  
0.2982

69.6788, 0.4130,  
0.4988

77.4163, 0.2953,  
0.2982

69.5305, 0.4162,  
0.5046

77.4583, 0.2955,  
0.2982

# Harmonies

## Analogous

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



74.9725, 0.3192, 0.3347



74.9725, 0.3166, 0.3355



74.9725, 0.3130, 0.3346

# Triad

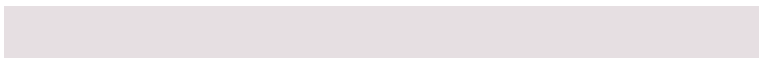
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.9725, 0.3166, 0.3355



74.9725, 0.3055, 0.3257



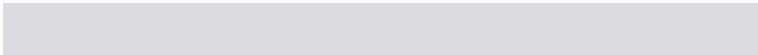
74.9725, 0.3161, 0.3259

# Complementary

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



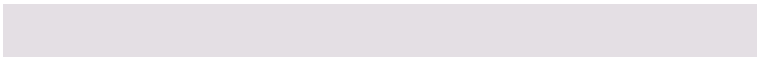
74.9725, 0.3166, 0.3355



71.1561, 0.3088, 0.3224

# Split Complementary

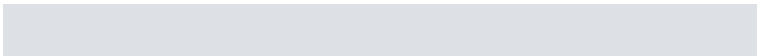
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.9725, 0.3124, 0.3235



74.9725, 0.3166, 0.3355



74.9725, 0.3063, 0.3234

# Square

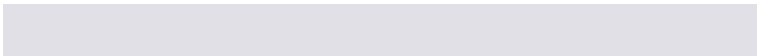
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



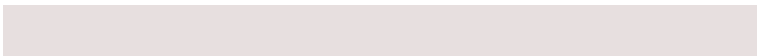
74.9725, 0.3166, 0.3355



74.9725, 0.3066, 0.3289



74.9725, 0.3088, 0.3226



74.9725, 0.3189, 0.3291



# Rectangle

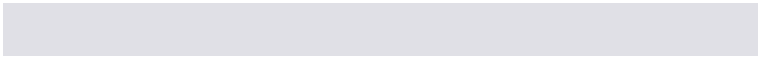
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.9725, 0.3166, 0.3355



74.9725, 0.3105, 0.3331



74.9725, 0.3088, 0.3226



74.9725, 0.3149, 0.3250

# Sweetspot

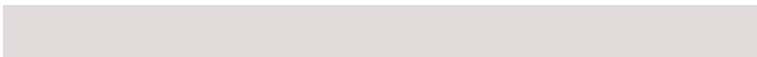
The Sweet Spot groups the original color and five complimentary colors.



74.9757, 0.3166, 0.3355



99.8313, 0.3142, 0.3314



71.7757, 0.3171, 0.3290



21.3698, 0.3141, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

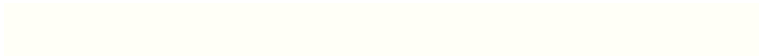


# Same Dimension

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



74.9757, 0.3166, 0.3355



99.5004, 0.3171, 0.3363



74.5053, 0.3145, 0.3355



16.1636, 0.3182, 0.3382



40.0219, 0.4173, 0.5068

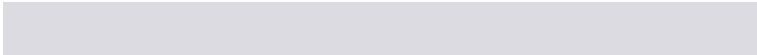


2.7767, 0.4177, 0.5066



# Inverse Universe

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



71.1561, 0.3088, 0.3224



93.8096, 0.3083, 0.3216



71.6183, 0.3109, 0.3225



15.0121, 0.3071, 0.3197



3.1456, 0.1504, 0.0602

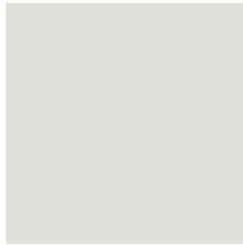


0.2207, 0.1515, 0.0608



# Previews

## White Background



This preview shows how the Yxy color 74.9725, 0.3166, 0.3355 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

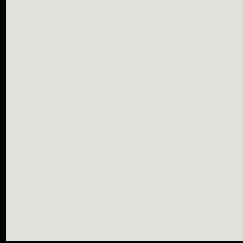
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.9725, 0.3166, 0.3355 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

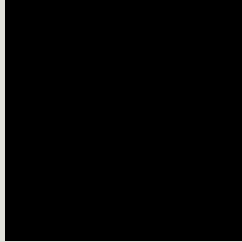
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

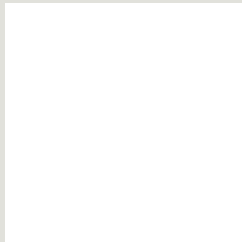
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.9725, 0.3166, 0.3355**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.9725, 0.3166, 0.3355.

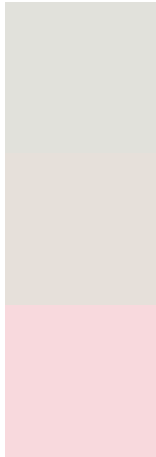


This preview shows how white text looks on a background with the Yxy color 74.9725, 0.3166, 0.3355.

# 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

74.9725, 0.3166, 0.3355

### Protanopia

75.1963, 0.3209, 0.3354

### Deuteranopia

74.8026, 0.3327, 0.3250



## Tritanopia

74.9685, 0.3059, 0.3112

# Trichromacy



## Original Color

74.9725, 0.3166, 0.3355

## Protanomaly

74.8672, 0.3195, 0.3354

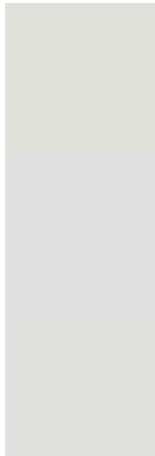
## Deuteranomaly

74.8790, 0.3271, 0.3290

## Tritanomaly

74.9324, 0.3097, 0.3195

# Monochromacy



## Original Color

74.9725, 0.3166, 0.3355

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

74.4325, 0.3140, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.9725, 0.3166, 0.3355 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, 225, 219)` looks like.

```
.text, #text, p{  
    color:rgb(225, 225, 219)  
}
```

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, 225, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 225, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 74.9725, 0.3166, 0.3355 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, 225, 219) }
```

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

```
.border{ border-color:rgb(225, 225, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 225, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 225, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 225, 219);  
box-shadow:4px 4px 4px 4px rgb(225, 225,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.9725, 0.3166, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 225, 219) }
```

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

```
.background{ background-color: rgb(225,  
225, 219) }
```

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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